



Corporate overview

2021

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About



- About JetBrains
- JetBrains: The Drive to Develop
- Our mission
- Our history

About JetBrains

JetBrains is a global software vendor specializing in the creation of intelligent, productivity-enhancing tools for software developers and teams.

It maintains its headquarters in Prague, Czech Republic, with R&D labs located in St. Petersburg, Moscow, Novosibirsk, Munich, Amsterdam, and Boston. JetBrains employs more than 1500 people and is grown organically, with no external funding. Its product catalog includes award-winning tools such as IntelliJ IDEA, ReSharper, PyCharm and WebStorm.

- Founded in February 2000
- Funding: private
- CEO: Maxim Shafirov

Headquarters JetBrains s.r.o., registered seat at Na Hřebenech II 1718/10, Praha 4 - Nusle - 140 00, Czech Republic, ID: 26502275, VAT ID: CZ 26502275, company is registered in the Commercial Register maintained by Municipal Court in Prague, Section C, insert 86211

JetBrains: The Drive to Develop

At JetBrains, code is our passion.

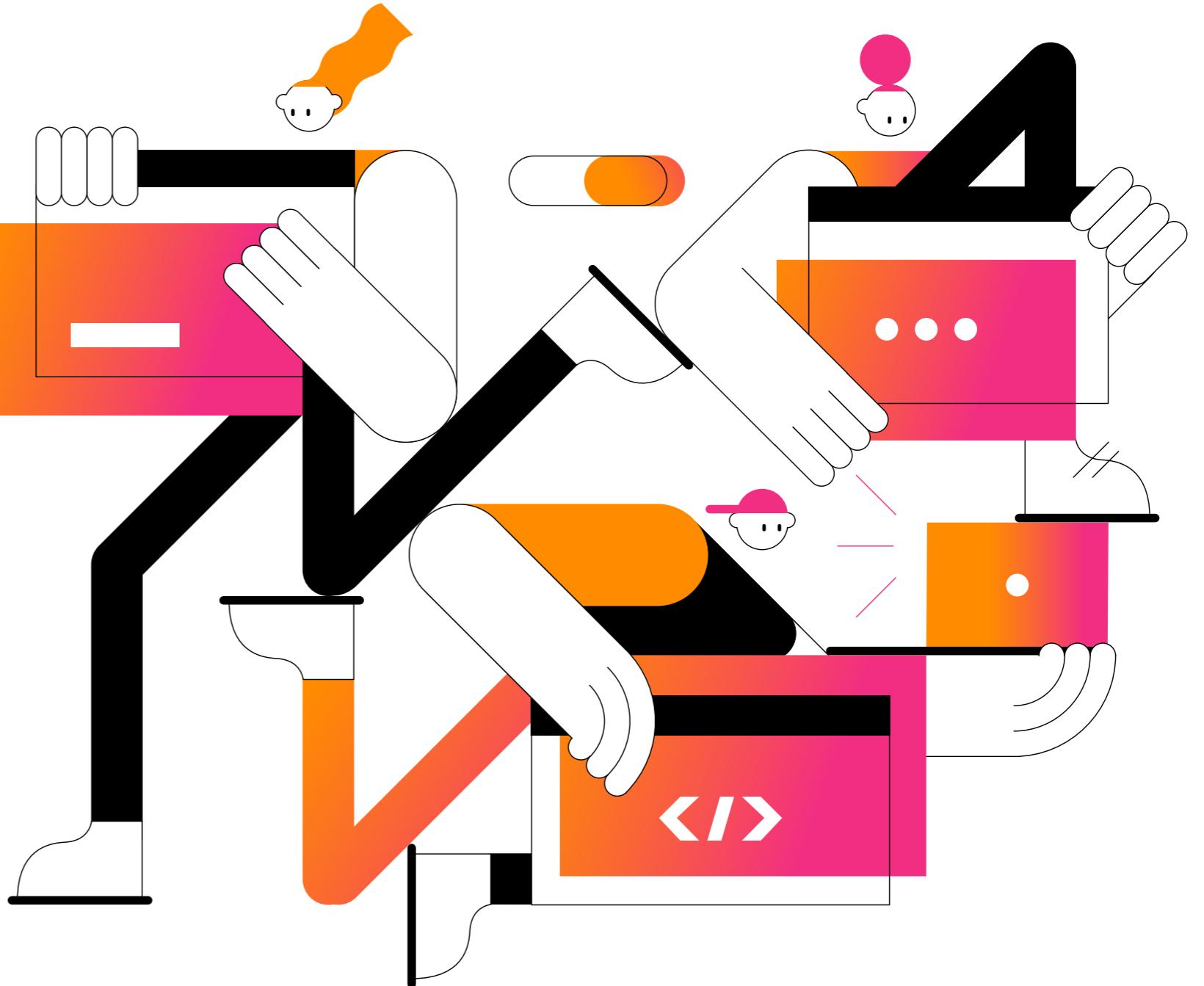
Ever since we started, back in 2000, we have strived to make the strongest, most effective developer tools on earth. By automating routine checks and corrections, our tools speed up production, freeing developers to grow, discover, and create.



Our mission

We make professional software development a more productive and enjoyable experience.

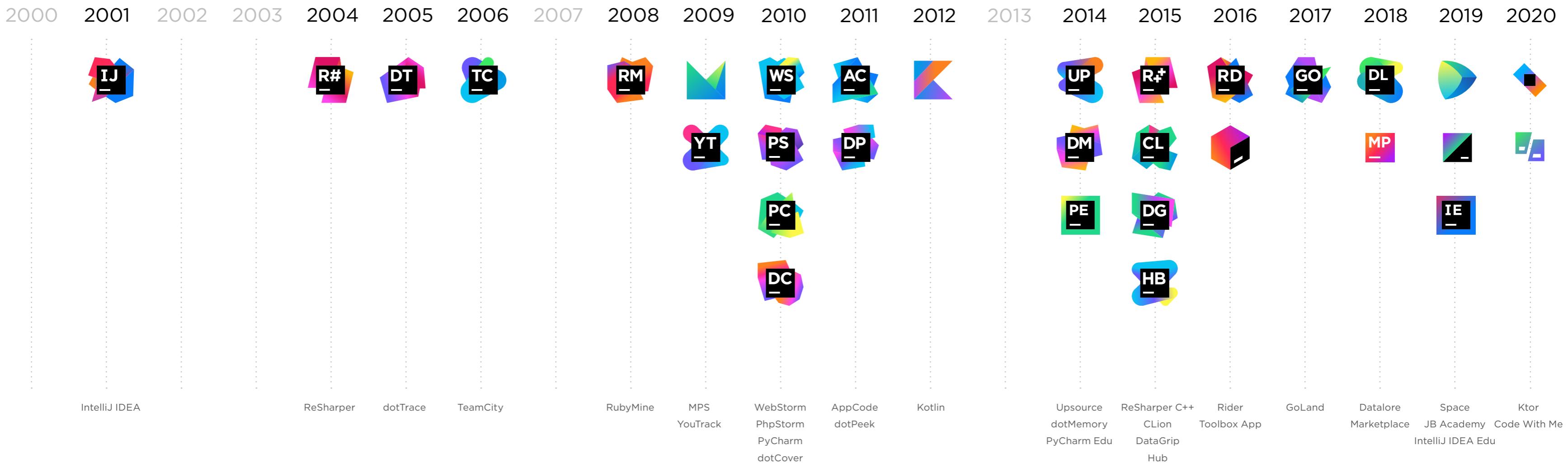
We help developers work faster by automating common, repetitive tasks to enable them to stay focused on code design and the big picture. We provide tools to explore and familiarize with code bases faster. Our products make it easy for developers to take care of quality during all the stages of development and spend much less time on maintenance tasks.



Our history

10M+
users

30 products and more launched to date



Our products



At JetBrains, we believe that using the right tool matters for every job. With our products, we cover all the stages of the software development cycle and support productive team collaboration.

For developers

IDEs

IntelliJ IDEA – The most intelligent Java IDE

PyCharm – Python IDE for professional developers

PhpStorm – Lightning-smart PHP IDE

RubyMine – The Intelligent Ruby and Rails IDE

WebStorm – The smartest JavaScript IDE

AppCode – Smart IDE for iOS/macOS development

CLion – A cross-platform C/C++ IDE

DataGrip – The SQL IDE

GoLand – Capable and Ergonomic Go IDE

Rider – Cross-platform .NET IDE

Code With Me – The collaborative development service

Toolbox App – A control panel for your tools and projects

Languages & Frameworks

Kotlin – Statically typed programming language for the JVM, Android and the browser

Ktor – An asynchronous framework for creating microservices, web applications, and more

MPS – Create your own domain-specific language

.NET & VS tools

ReSharper – Visual Studio extension for .NET developers

ReSharper C++ – Visual Studio extension for C++ developers

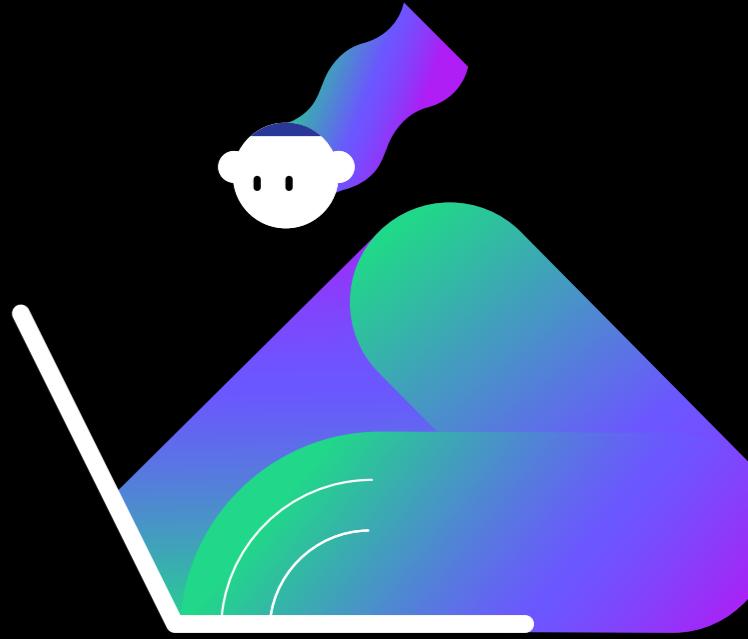
Rider – Cross-platform .NET IDE

dotTrace – .NET performance profiler

dotCover – .NET unit test runner and code coverage tool

dotMemory – .NET memory profiler

dotPeek – Free .NET decompiler and assembly browser



For teams

Space – The integrated team environment
TeamCity – Powerful continuous integration out of the box
Upsource – Code review, project analytics
Datalore – Intelligent web application for data analysis
YouTrack – The project management tool designed for agile teams
Hub – The YouTrack, TeamCity, and Upsource connector

For learners and educators

JetBrains Academy – Learn programming by creating working applications
Educational IDEs – free to use and support Kotlin, Java, Python, JavaScript, Rust, C/C++, Scala, and Go.



New products

At JetBrains, we continue to innovate new technology to meet the needs of developers in the modern world.



Ktor



Space



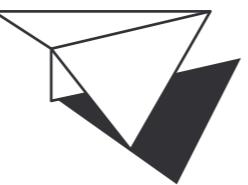
Code With Me



Ktor is an asynchronous framework for creating microservices, web applications, and more. It's fun, free, and open source.

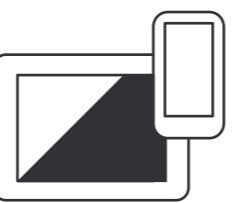
Ktor is a multiplatform framework built from the ground up using Kotlin and coroutines, and it can be used to create connected applications. Whether you're creating websites, HTTP backends, RESTful systems, or even socket applications, Ktor provides you with everything you need.

Learn more at ktor.io



Lightweight

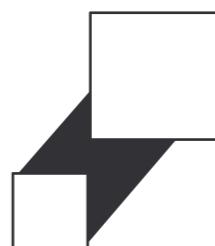
Use what you need. Ktor allows you to transparently configure only the functionality your project requires. No magic involved!



Extensible

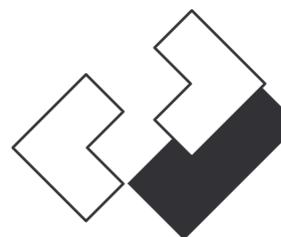
Extend what you need. With a configurable pipeline, you can create the extensions you need and place them anywhere you want.

Simple and fun



Multiplatform

Run it where you need it. Built from the ground up with [Kotlin Multiplatform](#) technology, you can deploy Ktor applications anywhere.



Asynchronous

Scales as you need it. Using Kotlin [coroutines](#), Ktor is truly asynchronous and highly scalable. Use the power of non-blocking development without the callback nightmare.



The integrated team environment

Space is an all-in-one extensible team collaboration solution that covers software development, project and team management, and communications.

It ensures organizational transparency with the team directory; efficient communication with chats, documents, blogs, meetings, and calendars, as well as effective project management with checklists, an issue tracker, and issue boards. It also covers the software development pipeline with Git hosting, code reviews, automation, CI/CD pipelines, and package management. Space is flexible, extensible, and customizable to the needs of your team and your organization. Start using it today with the free cloud plan for unlimited users.

Learn more and sign up for free
jetbrains.com/space

The screenshot shows the JetBrains Space application interface. At the top, there's a header with the company logo and name. Below the header is a sidebar with various icons for navigation. The main area is a dashboard for 'Galactic Travels Inc.' with the tagline 'Making interplanetary travel fun!'. The dashboard features several sections:

- Check the availability of your teammates**: Shows a calendar view for 'Today, 23 Oct, Fri' with entries for 'Maarten/Maxim' (13:00 – 14:00) and 'Daily Standup' (15:00 – 16:00). It also lists 'Birthday of Lucille Percy' (28 Oct) and 'Vacation' (1–3 Nov).
- Schedule meetings and add absences**: Shows a section for 'Followed Members and Teams' with 'Software Development 13' and '11 are at work'.
- View commits, browse files, check a repository**: Shows 'Favorite Projects' for 'Ktor.io' (4 repositories) and 'Transportation' (no repositories).
- Check the code reviews assigned to you**: Shows 'Code Reviews' for 'Needs my review' (KTORIO-MR-12: Update nightly build schedule) and 'Includes my changes' (KTORIO-MR-13: Chat application updates).
- Never miss an important update with the company blog**: Shows 'Recent Blog Posts' by Hadi Smith ('Piece of cake!' - 2 Oct 14:35) and Christiana Brennan ('Warp drive slowdown on October 8' - 29 Sep 16:52).

Teams **Chats** *** Issues** **Dashboards** **Issue Boards** **Packages** **CI/CD Pipelines**

Code Reviews **Permissions** **VCS** **IDE Integration** **Quick Actions** **Top-Down Planning**

Meetings **Vacations** **Business Trips** **Documents** **Office Maps** **Blogs** **and more...**



The collaborative development service

Code With Me is a new collaborative development and pair programming service. It enables you to share the currently opened project in your IDE with others, and work on it together in real time.

Learn more at
jetbrains.com/code-with-me

A screenshot of two Java IDE windows demonstrating the Code With Me feature. The top window, labeled 'Guest', shows a Java file 'CodeWithMe.java' with a tooltip for the 'sout' method. The bottom window, labeled 'Host', shows the same file with additional code. Both windows have tabs for 'Project', 'Commit', and 'Structure'. The status bar at the bottom of each window displays network and build information. A green box highlights the 'Guest' window, and a white box highlights the 'Host' window.

```
public static void main(String[] args) {
    var name = "Code With Me";
    sout
}
```

sout Prints a string to System.out
soutm Prints current class and method names to System.out
soutp Prints method parameter names and values to System.out
soutv Prints a value to System.out

Press ⌘ to insert, ⌘ to replace

```
"A Collaborative development service by JetBrains";
public static void main(String[] args) {
    var name = "Code With Me";
    sout
}

record Developer(ProductivityLevel level) {
```

Products pricing & licensing

We offer pricing and licensing options for everyone, from free and open-source projects to multinational enterprises.

JetBrains Toolbox (desktop tools)

- Subscription-based licensing with monthly and yearly plans.
- [Continuity discounts](#): a special discount to reward our customers for timely and uninterrupted subscription coverage.
- [Perpetual fallback licenses](#): a license that allows you to use a specific version of software without an active subscription for it.

JetBrains team tools

- Normal perpetual license.
- Upgrade subscription including 1 year of free upgrades.

Expert level product support included with every license

For more details, please visit our website

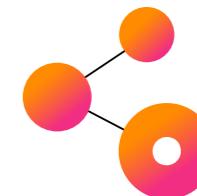
- Pricing & special offers: jetbrains.com/store
- Licensing model: sales.jetbrains.com



Special pricing for individual developers and start-up companies.



Special licensing schemes for enterprises.



Various plans for team tools, installed on your server or hosted by us.



Free licenses for qualified open-source projects.



Free licenses for students, instructors and educational institutions.

Accomplishments



- Customers
- Testimonials
- Awards and recognition

Customers

Many of the world's most dynamic companies and individuals find JetBrains tools make them more creative and effective.

10M+
users trust our tools

96K
join every month



The New York Times

WIKIPEDIA

Google



PivotalTM



UBISOFT

What customers say

171,186 organizations purchased our tools to develop software in 2020. Take a look at what our customers are saying about us!

NPS 64
Net Promoter Score

Highly loyal
customers



Since starting to offer virtual deliveries in April, we've effectively relaunched the training side of the business and are now busier than ever. Space has been a huge part of that success. It's an umbrella that provides and integrates everything we need to deliver our products in a distributed manner.

Garth Gilmour
Head of Learning
Instil

Case studies:
jetbrains.com/company/customers/experience.html



WebStorm is like a Swiss Army knife. There is always a better tool for some particular case, but WebStorm is the only all-in-one solution with robust support for all cases you can face on a daily basis as a JavaScript developer. Plus, it's pretty, solid, feature-rich, and easy to use.

Ruslan Trachuk
Chief Technology Officer
Unidata

Testimonials:
jetbrains.com/company/customers/testimonials.html

Awards and recognition



JetBrains has won 90+ international industry awards since the turn of the century.



Best Innovation in Mobile Development 2020

Kotlin



General Development Tools (includes IDEs)

ReSharper



Performance, Profiling & Debugging Tools

dotTrace



Software Testing & Quality Assurance

dotCover



Installation, Setup & Deployment Tools

TeamCity



2020 Top Rated IDE Software

IntelliJ IDEA, PyCharm & WebStorm

Partnership

- Partnership program
- Technology partners
- Marketplace
- Community support

Strong partnership program

JetBrains works with other companies to provide access to our tools in every region across the globe.

Today we have over 140 resellers helping us reach developers worldwide. Our partners are trusted consultancies and training companies that are able to expand their businesses by offering expert professional services related to our tools.

Read [a story from one of our resellers](#) and learn more about [our partners](#).



Technology partners

At JetBrains, we integrate, collaborate, and co-market with many Technology Partners. These include some of the best names in the industry. We look to partner with companies that share our passion for making developers more productive.

Read more at

jetbrains.com/company/partners-technology

Acquia

Google

heroku

Microsoft

ORACLE®

redhat

spring

Typesafe

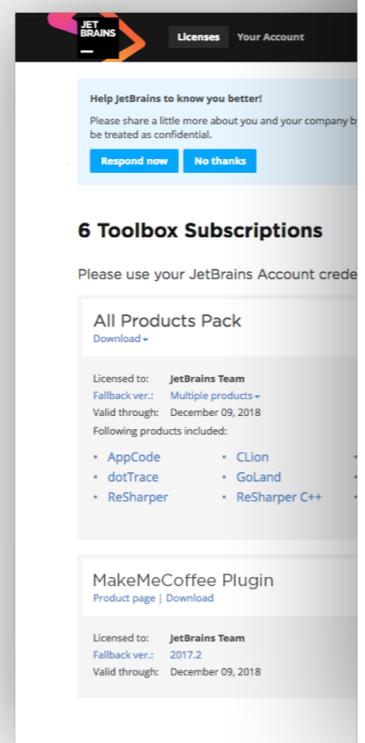
Pivotal™

Marketplace

The platform for third-party plugin vendors

We've created the next generation of the plugin repository by turning it into a marketplace for third-party plugin developers to sell their plugins while taking advantage of the licensing and billing solutions offered by JetBrains.

Learn more and apply:
plugins.jetbrains.com/marketplace



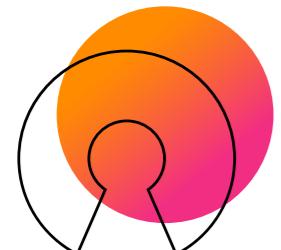
The screenshot shows the product page for 'MakeMeCoffee' on the JetBrains Marketplace. The page features a large image of a coffee machine dispensing coffee. The title 'MakeMeCoffee' is prominently displayed with a 5-star rating. Below the title, it says 'JetBrains s.r.o.' and shows 'Buy from 9.99€' and a 'Download' button. The page also indicates compatibility with all JetBrains IDEs and links to 'See all versions'. The main content area includes tabs for 'Overview', 'Features', and 'Documentation'. A code editor window on the left shows Java code related to folding descriptors. The right side of the page contains a 'What's New' section with a message about connecting to coffee machines and a 'Version History' section showing activity from Sep 7, 2018.

Close to the community



1K+

meetups/user groups
get monthly support



22K+

open source projects
supported with licenses



1.3M+

licenses for students and
faculty members (over 2020)



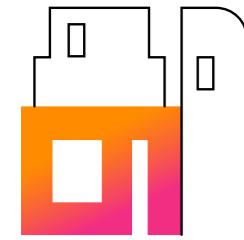
10K+

schools and universities received
JetBrains classroom licenses

(incl. TOP 100 Shanghai Ranking)

Business year 2020 in review

- YoY revenue
- Top 6 countries
- Customers highlights
- Product downloads and usage



175 +22%

new organizations
become JetBrains customers every day



2,862 +24%

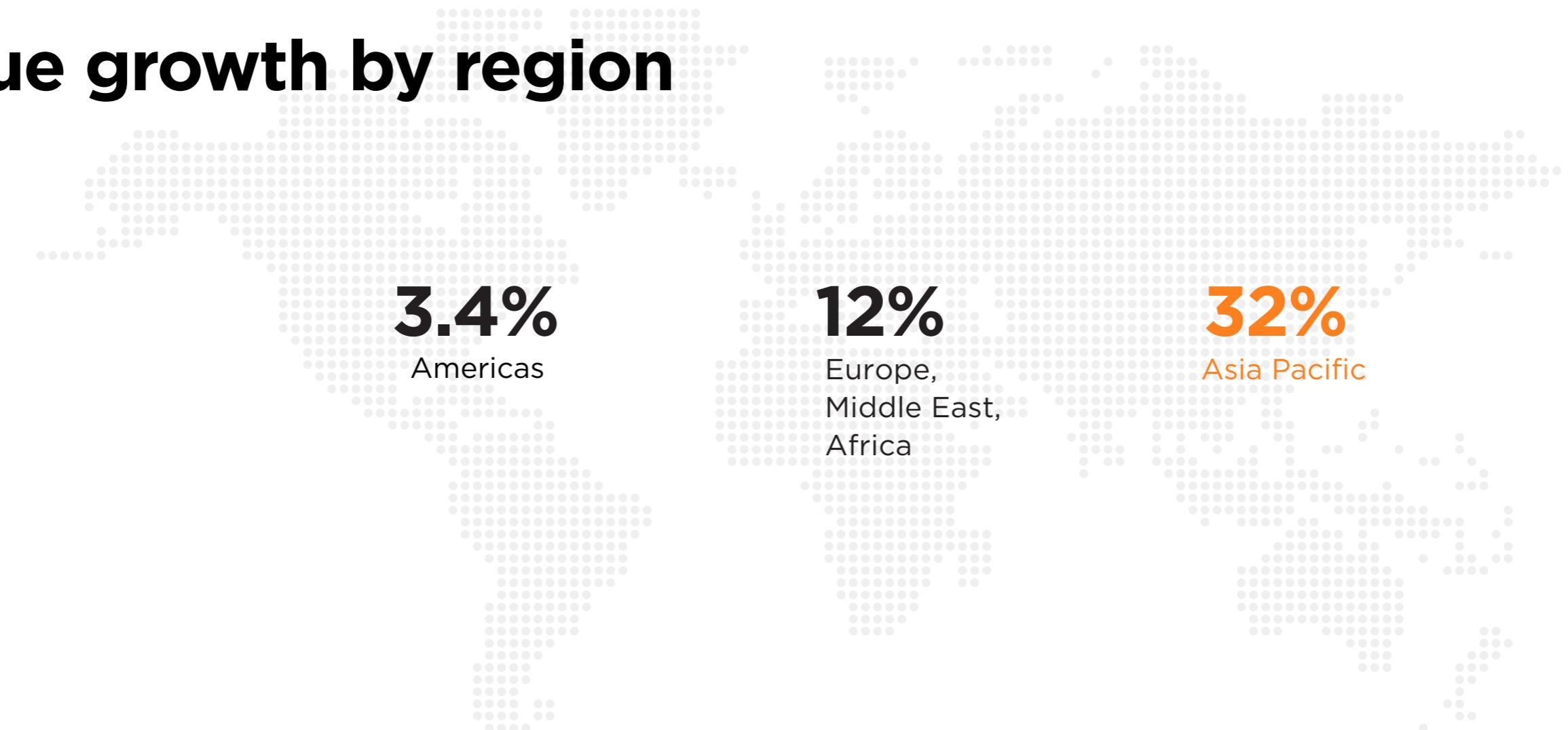
new individual users
become JetBrains customers every day



213

countries and territories
where subscriptions were sold

YoY revenue growth by region



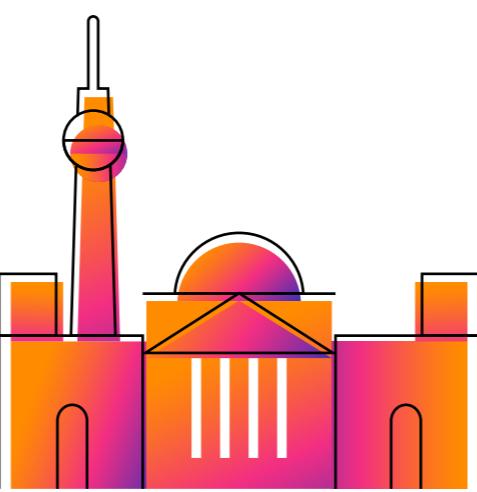
Top 6 countries by total active users



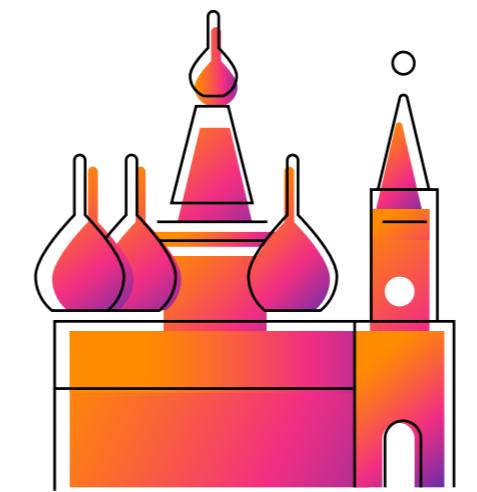
USA



China



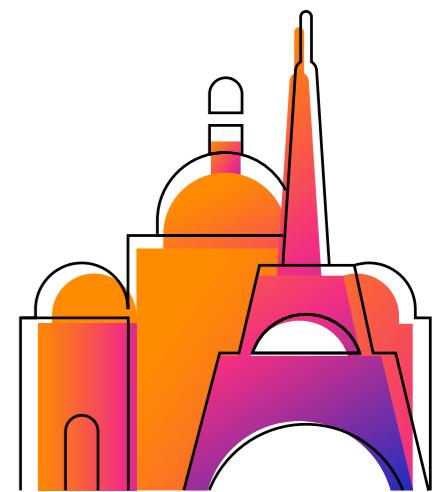
Germany



Russia



United Kingdom



France

Top 10 countries by paying customers YoY growth

27%

Spain

27%

Brazil

28%

Italy

28%

Romania

28%

India

48%

South Korea

50%

Russia

50%

Ukraine

51%

Belarus

144%Mainland
China

Customers highlights



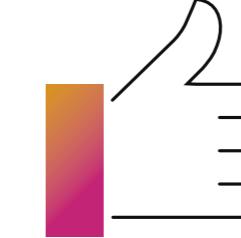
2,195,000 +24%

total customers
in 2020



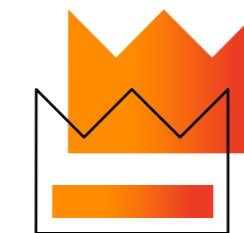
557,000 +23%

paying customers
in 2020



10M+

use and trust
our tools

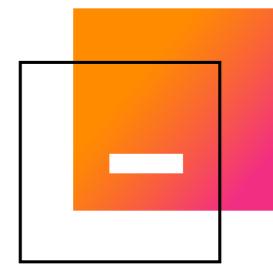


99 Fortune 100 companies use our tools.

88 Fortune Global 100 companies are our customers.

96 Forbes Top 100 Digital Companies are our customers.

Product downloads and usage



28%^{+4%}

of all JetBrains Toolbox customers purchase 'All Products Pack'.



58,400

participants in the Early Access Program monthly.



27.7%

JetBrains All Products Pack experienced a YoY growth in purchases during 2020.

JetBrains Toolbox subscriptions

Business and organizations

monthly
7%

annual
69%

Individual

annual
16% monthly
8%



4%
monthly

74%
annual

15%
annual 7%
monthly

Find more on our [JetBrains Annual Highlights 2020/21](#)

Team



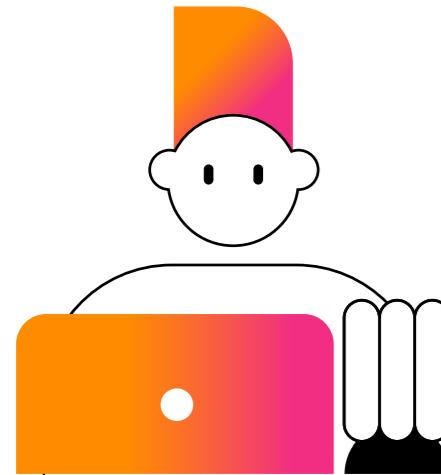
- Our team
- Employee demographics

Each person here at JetBrains has their own drive and ambitions. But when we asked what makes JetBrains special for them, the most frequently used terms to describe working here were Authenticity, Independence, Learning, and Fun.

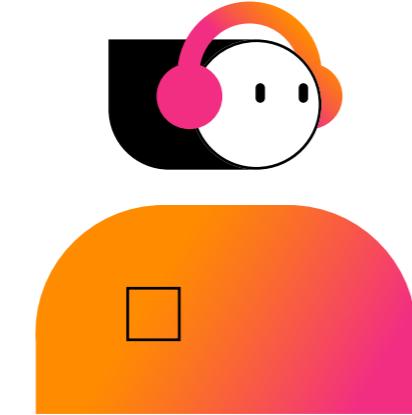
With 1500+ people, we still share the same vision and drive that motivated those several enthusiasts who started this company back in 2000 – helping developers change the world for the better.



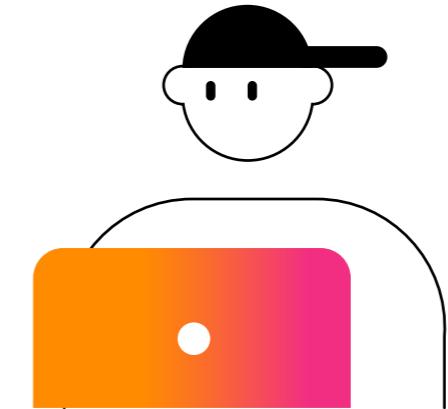
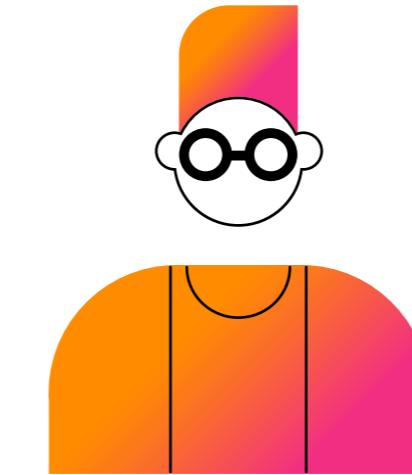
Employee demographics



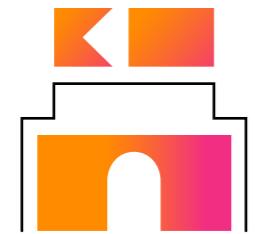
Youngest employee:
18 years



Average employee age:
33 years



Oldest employee:
73 years



10 offices
throughout the world



1500 +
employees strong

Offices

Prague, Czech Republic
Headquarters
EMEA and APAC sales

St. Petersburg, Russia
R&D Center

Munich, Germany
R&D Center

Moscow, Russia
R&D Center

Novosibirsk, Russia
R&D Center

Amsterdam, Netherlands
R&D Center

Boston, MA, USA
R&D Center

Marlton, NJ, USA
US Sales East Coast

Foster City, CA, USA
US Sales West Coast

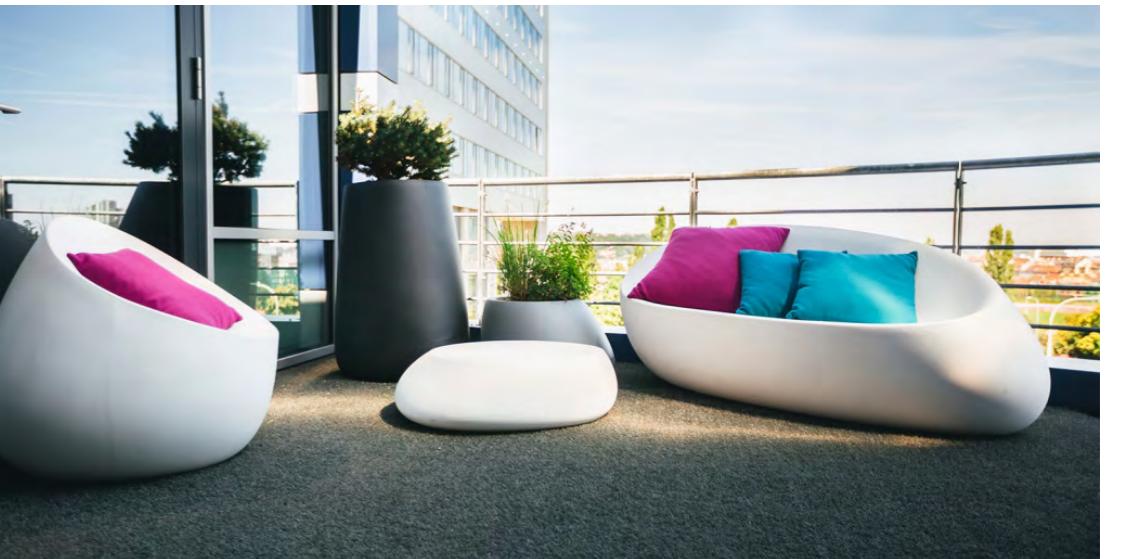
Shanghai, China
China Sales

Prague, Czech Republic

JetBrains s.r.o.
Headquarters,
EMEA and APAC sales (since 2001)

Address:
Kavčí Hory Office Park,
Na hřebenech II 1718/10,
Praha 4 - Nusle - 140 00,
Czech Republic

[Learn more](#)



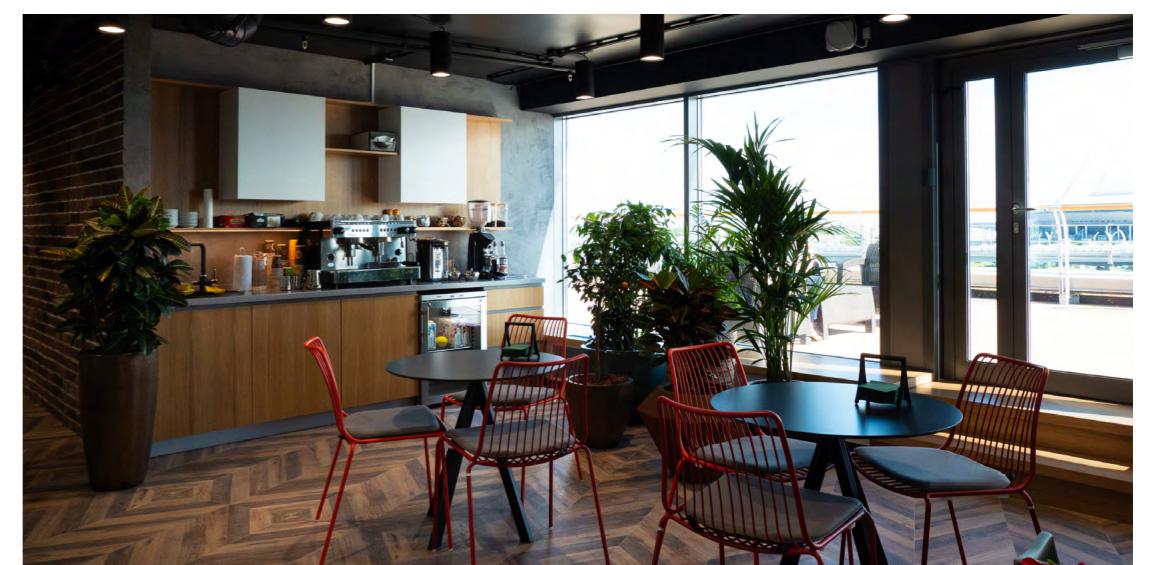
St. Petersburg, Russia

IntelliJ Labs Co. Ltd.
R&D Center Russia (since 2002)

JetBrains Co. Ltd.
Russia & CIS Sales

Address:
Primorskiy pr. 70, building 1
197374, St.Petersburg, Russia

[Learn more](#)



Munich, Germany

JetBrains GmbH
R&D Center (since 2011)

Address:
Christoph-Rapparini-Bogen 23,
80639 München, Germany

[Learn more](#)

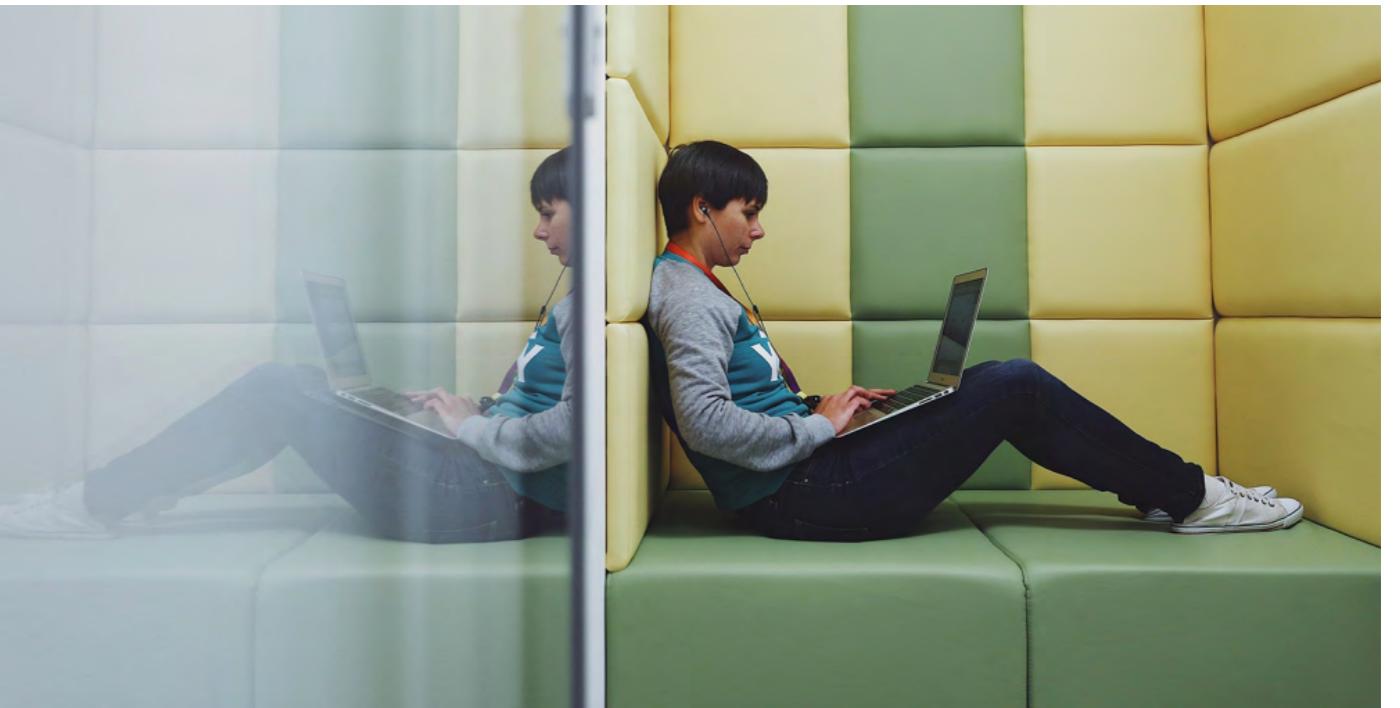


MOSCOW, Russia

IntelliJ Labs Co. Ltd.
R&D Center (since 2009)

Address:
Lesnaya Ulitsa, 7
Moscow 125196, Russia

[Learn more](#)



Novosibirsk, Russia

IntelliJ Labs Co. Ltd.
R&D Center (since 2016)

Address:
ul. Demakova, 30
(Akademgorodok)
Novosibirsk 630128, Russia

[Learn more](#)

Offices

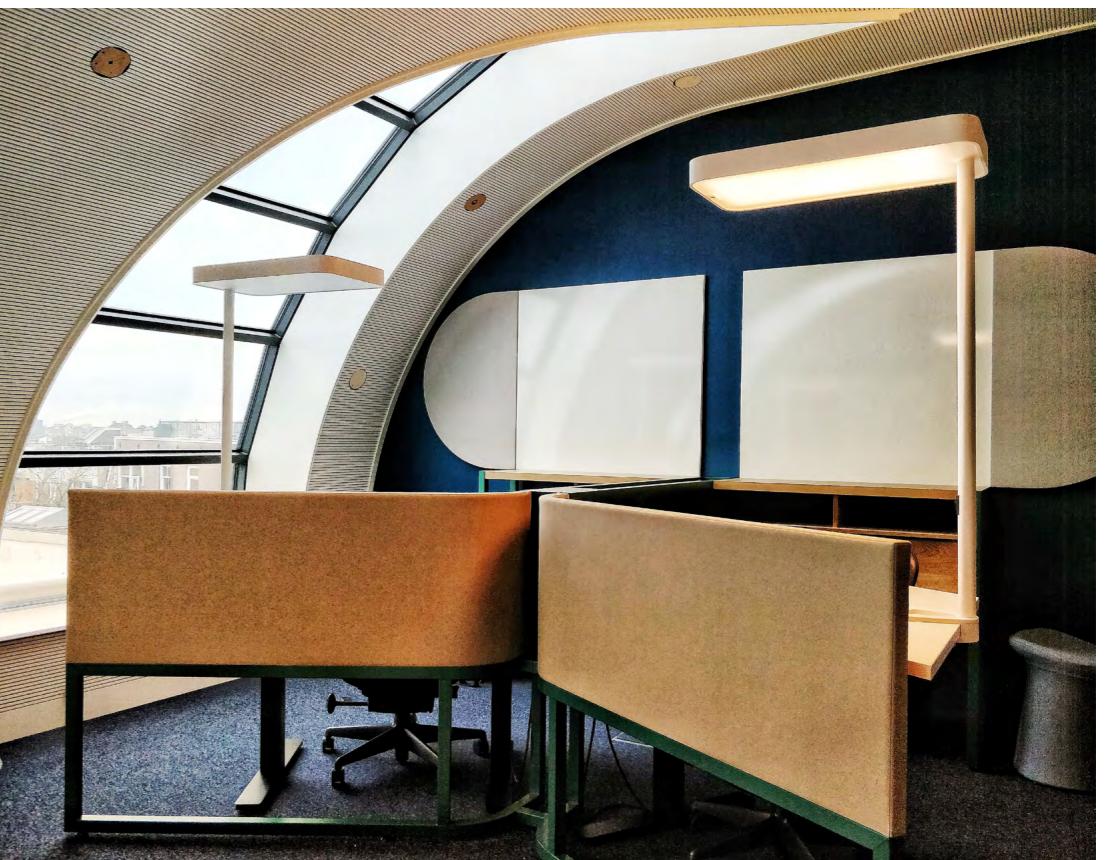


Amsterdam, The Netherlands

JetBrains N.V.
R&D Center (since 2019)

Address:
Huidekoperstraat 26-28,
1017 ZM Amsterdam

[Learn more](#)

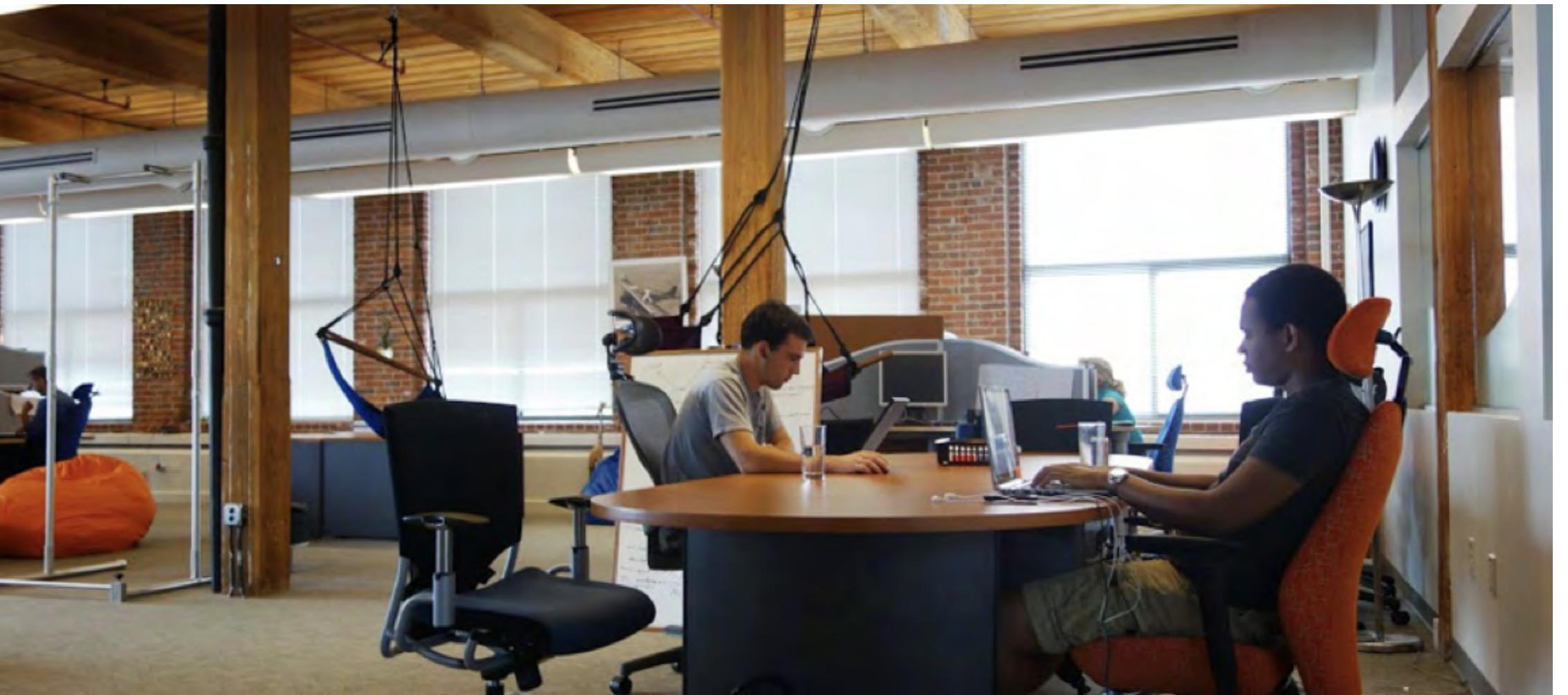


Boston, MA, USA

JetBrains, Inc.
R&D Center (since 2003)

Address:
2 Seaport Lane, suite 8C, 8th floor
Seaport EAST
Boston, MA 02210

[Learn more](#)



Foster City, CA, USA

JetBrains Americas, Inc.
West Coast
US Sales West Coast (since 2015)
jetbrainsamericas.com

Address:
989 East Hillsdale Blvd. Suite 200
Foster City, CA 94404



Marlton, NJ, USA

—

JetBrains Americas, Inc.
East Coast
US Sales East Coast (since 2015)
jetbrainsamericas.com

Address:
10 Lake Center Dr #203
Marlton, NJ 08053



Contact us

Headquarters and international sales

JetBrains s.r.o.

Kavčí Hory Office Park,
Na Hřebenech II 1718/10,
Praha 4 - Nusle - 140 00,
Czech Republic

Tel: +420 241 72 2501

Fax: +420 241 722 540

sales@jetbrains.com

Americas sales

sales.us@jetbrains.com

Tel.: +1 888 672 1076

East Coast

10 Lake Center Dr #203, Marlton,
NJ 08053, USA

Tel: +1 609 714 7883

Fax: +1 866 838 6784

West Coast

989 East Hillsdale Blvd. Suite 200, Foster City,
CA 94404, USA

Tel: +1 650 413 9880

Fax: +1 866 838 6784



[JetBrains.com](https://www.jetbrains.com)



[@JetBrains](https://twitter.com/JetBrains)



[Instagram.com/JetBrains](https://www.instagram.com/JetBrains)



[Facebook.com/JetBrains](https://www.facebook.com/JetBrains)



[Linkedin.com/company/JetBrains](https://www.linkedin.com/company/JetBrains)



[YouTube.com/user/JetBrainsTV](https://www.youtube.com/user/JetBrainsTV)

Product catalog

IDEs

IntelliJ IDEA
PyCharm
PhpStorm
RubyMine
WebStorm
CLion
AppCode
DataGrip
GoLand
Rider

.NET & Visual Studio

ReSharper
ReSharper C++
Rider
dotTrace
dotCover
dotMemory
dotPeek

Team tools

Space
TeamCity
YouTrack
Upsource
Datalore
Hub

Languages & Frameworks

Kotlin
Ktor
MPS

Educational products

JetBrains Academy
Educational IDEs

Toolbox App

A control panel for your
tools and projects

Code With Me

The collaborative
development service

Integrated Development Environments



IJ IntelliJ IDEA

The capable and ergonomic IDE for JVM

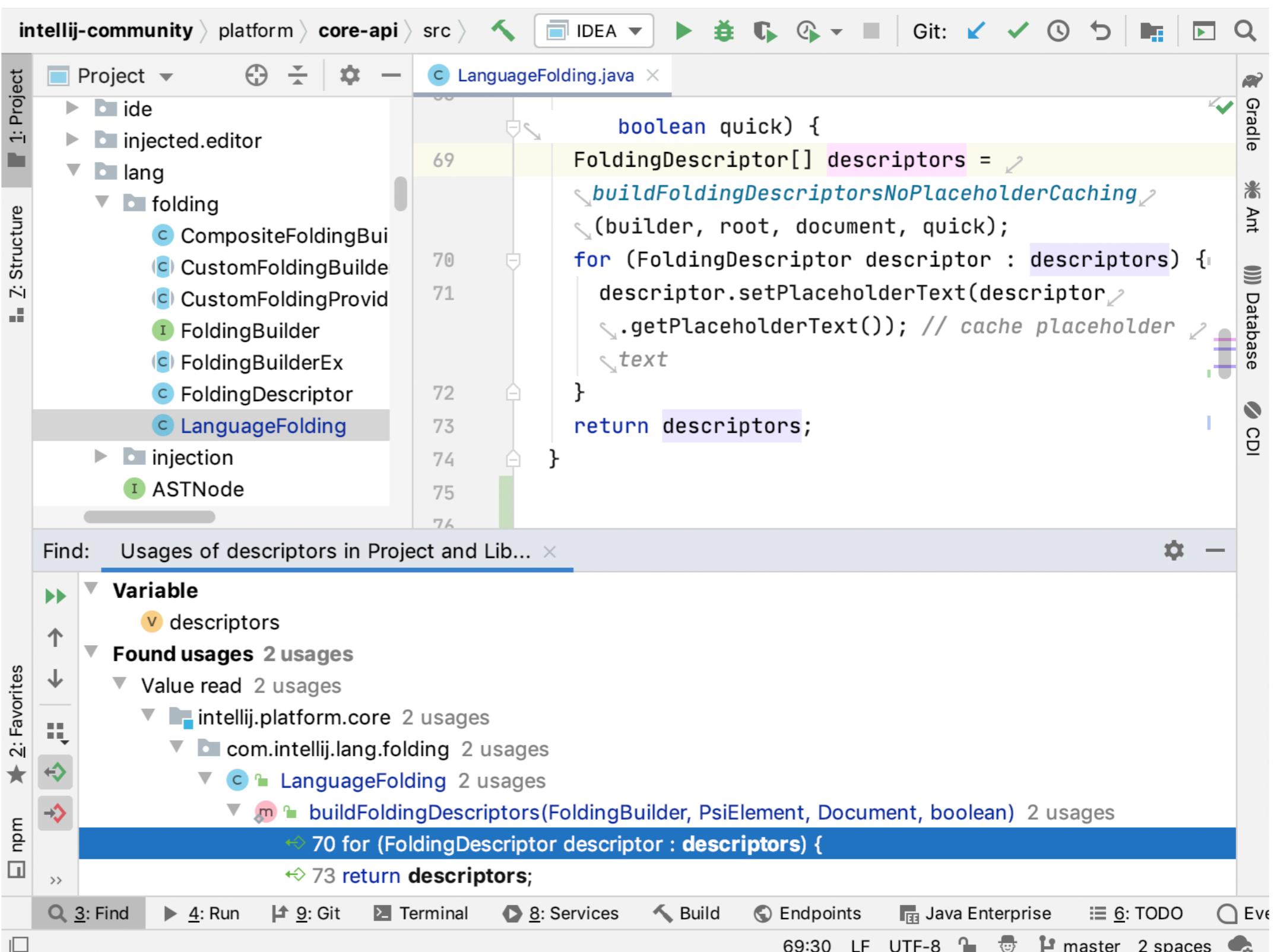
IntelliJ IDEA, JetBrains' flagship IDE, is designed for productive JVM development. With its in-depth understanding of languages and technologies and its ergonomic user interface, IntelliJ IDEA makes development an enjoyable experience!

Customers who adopt IntelliJ IDEA Ultimate stand to enjoy an ROI of 850%, as independently quantified by Forrester Consulting.

Check out the details in their study of the [Total Economic Impact™ of IntelliJ IDEA study](#).

The free and open-source IntelliJ IDEA Community Edition and IntelliJ IDEA Edu, for learning and teaching programming, are also both available.

Learn more at
jetbrains.com/idea



The screenshot shows the IntelliJ IDEA interface with the following details:

- Project Structure:** The left sidebar shows the project structure for "intellij-community > platform > core-api > src". The "lang" package is expanded, showing subfolders like "folding" and files like "CompositeFoldingBui", "CustomFoldingBuilde", etc., and "LanguageFolding.java".
- Code Editor:** The main editor window displays the file "LanguageFolding.java" with the following code:

```
boolean quick) {
    FoldingDescriptor[] descriptors = buildFoldingDescriptorsNoPlaceholderCaching(
        builder, root, document, quick);
    for (FoldingDescriptor descriptor : descriptors) {
        descriptor.setPlaceholderText(descriptor
            .getPlaceholderText()); // cache placeholder
    }
    return descriptors;
}
```
- Find Results:** A search results panel titled "Find: Usages of descriptors in Project and Lib..." shows the following results:
 - Variable:** descriptors
 - Found usages:** 2 usages
 - Value read:** 2 usages
 - intellij.platform.core 2 usages
 - com.intellij.lang.folding 2 usages
 - LanguageFolding 2 usages
 - buildFoldingDescriptors(FoldingBuilder, PsiElement, Document, boolean) 2 usages
 - 70 for (FoldingDescriptor descriptor : descriptors) {
 - 73 return descriptors;
- Bottom Bar:** Includes tabs for Find, Run, Git, Terminal, Services, Build, Endpoints, Java Enterprise, TODO, and Events, along with system status indicators.



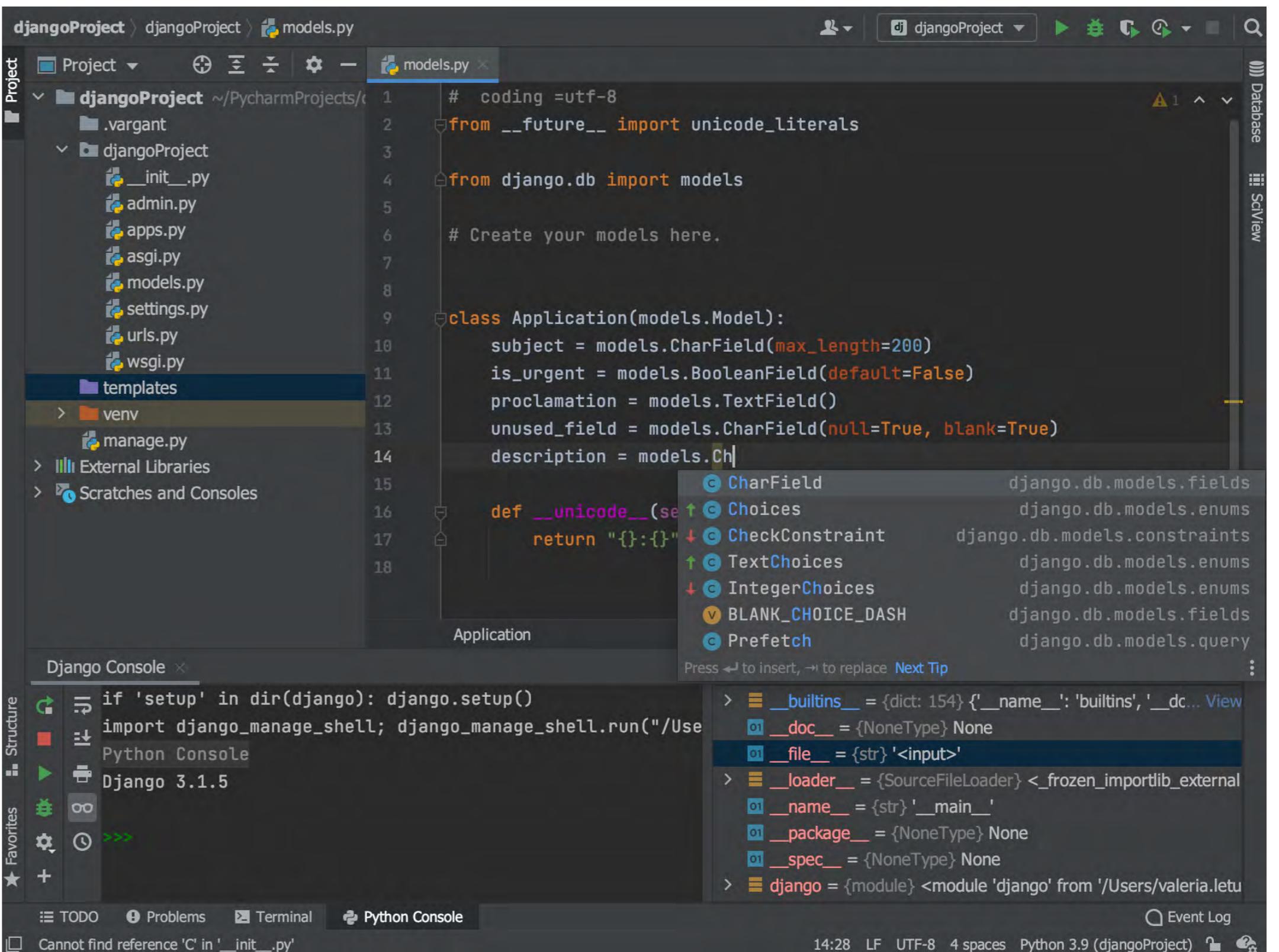
The Python IDE for professional developers

PyCharm is a professional-level IDE for developing with the Python programming language. It comes with a powerful array of features to support the latest development practices, out of the box.

PyCharm Community Edition offers smart code completion, code inspections, automated code refactoring, an integrated debugger, and a test runner. It makes working with large projects easy.

PyCharm Professional Edition builds on those offerings with support for web development, working with databases, and data science tools. Django, Flask, JavaScript, Node.js, AngularJS, React, Vue, CSS/HTML, Jupyter Notebooks, and Anaconda are just some of the very latest technologies that are supported by PyCharm Professional.

Learn more at
jetbrains.com/pycharm



A screenshot of the PyCharm IDE interface. The main window shows a Python file named 'models.py' open in the editor. The code defines a class 'Application' with several fields: subject (CharField), is_urgent (BooleanField), proclamation (TextField), unused_field (CharField), and description (CharField). A code completion dropdown is open over the 'CharField' definition, listing various Django model field types like CharField, Choices, CheckConstraint, TextChoices, IntegerChoices, and BLANK_CHOICE_DASH. The PyCharm interface includes a Project tool window on the left, a Django Console at the bottom, and various status indicators at the bottom right.

```
# coding =utf-8
from __future__ import unicode_literals
from django.db import models

# Create your models here.

class Application(models.Model):
    subject = models.CharField(max_length=200)
    is_urgent = models.BooleanField(default=False)
    proclamation = models.TextField()
    unused_field = models.CharField(null=True, blank=True)
    description = models.Ch

    def __unicode__(self):
        return "{}:{}"

    class Meta:
        ordering = ('subject',)

    objects = ApplicationManager()

    class Application:
        pass

    class ApplicationManager(models.Manager):
        pass
```

Django Console

```
if 'setup' in dir(django): django.setup()
import django_manage_shell; django_manage_shell.run("/Use
```

Structure

- Python Console
- Django 3.1.5

Favorites

- >>>

TODO Problems Terminal Python Console

Cannot find reference 'C' in '__init__.py'

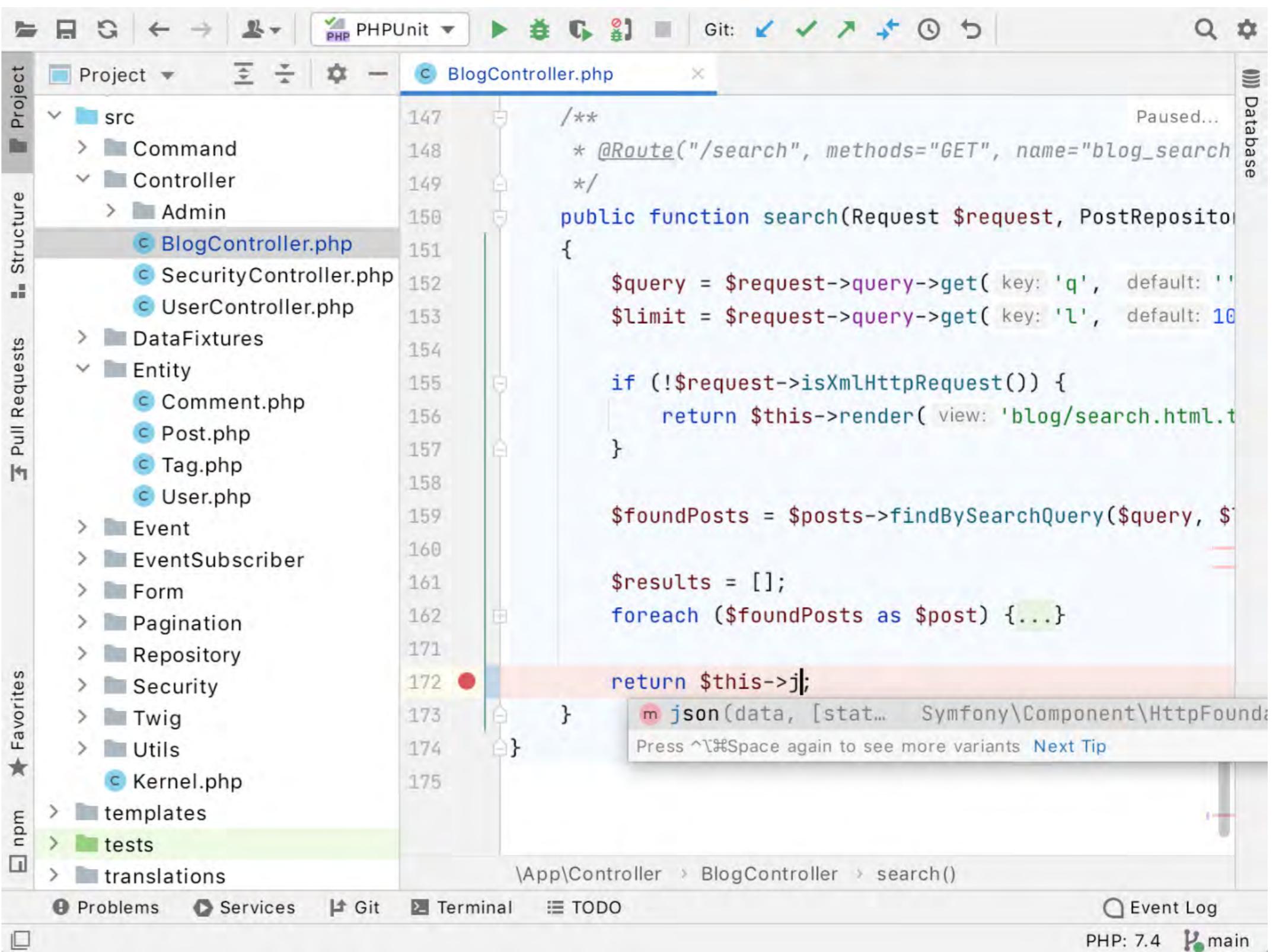
14:28 LF UTF-8 4 spaces Python 3.9 (djangoProject)

PhpStorm

The lightning-smart PHP IDE

This professional PHP IDE is recognized as a leader by Symfony, Laravel, Drupal, WordPress, and other major PHP communities. PhpStorm provides the best-in-class code completion, refactoring, code analysis, navigation, debugger, and unit testing support.

Learn more at
jetbrains.com/phpstorm



The screenshot shows the PhpStorm IDE interface. The top bar includes icons for file operations, navigation, and Git integration. The main window has tabs for 'Project', 'PHP Unit', and 'PHP'. The 'Project' tab is selected, showing a tree view of a PHP application structure under the 'src' directory. The 'Controller' folder contains several files: Admin, BlogController.php (selected), SecurityController.php, UserController.php, DataFixtures, Entity, Event, EventSubscriber, Form, Pagination, Repository, Security, Twig, Utils, Kernel.php, templates, tests, and translations. The 'Structure' tab is also visible. The right panel displays the content of 'BlogController.php'. The code implements a search function that queries a database and returns results as JSON. A code completion tooltip is open at the end of the line 'return \$this->j;', suggesting the method 'json(data, [status])' from the 'Symfony\Component\HttpFoundation\Response' class. The bottom status bar shows the file path '\App\Controller\BlogController.php' and the line number 'search()'. Other tabs at the bottom include 'Problems', 'Services', 'Git', 'Terminal', 'TODO', 'Event Log', and 'PHP: 7.4'.

```
/*
 * @Route("/search", methods="GET", name="blog_search")
 */
public function search(Request $request, PostRepository $posts) {
    $query = $request->query->get('q', '')->getQuery();
    $limit = $request->query->get('l', 10);

    if (!$request->isXmlHttpRequest()) {
        return $this->render('blog/search.html.twig');
    }

    $foundPosts = $posts->findBySearchQuery($query, $limit);
    $results = [];
    foreach ($foundPosts as $post) { ... }

    return $this->json($results);
}
```

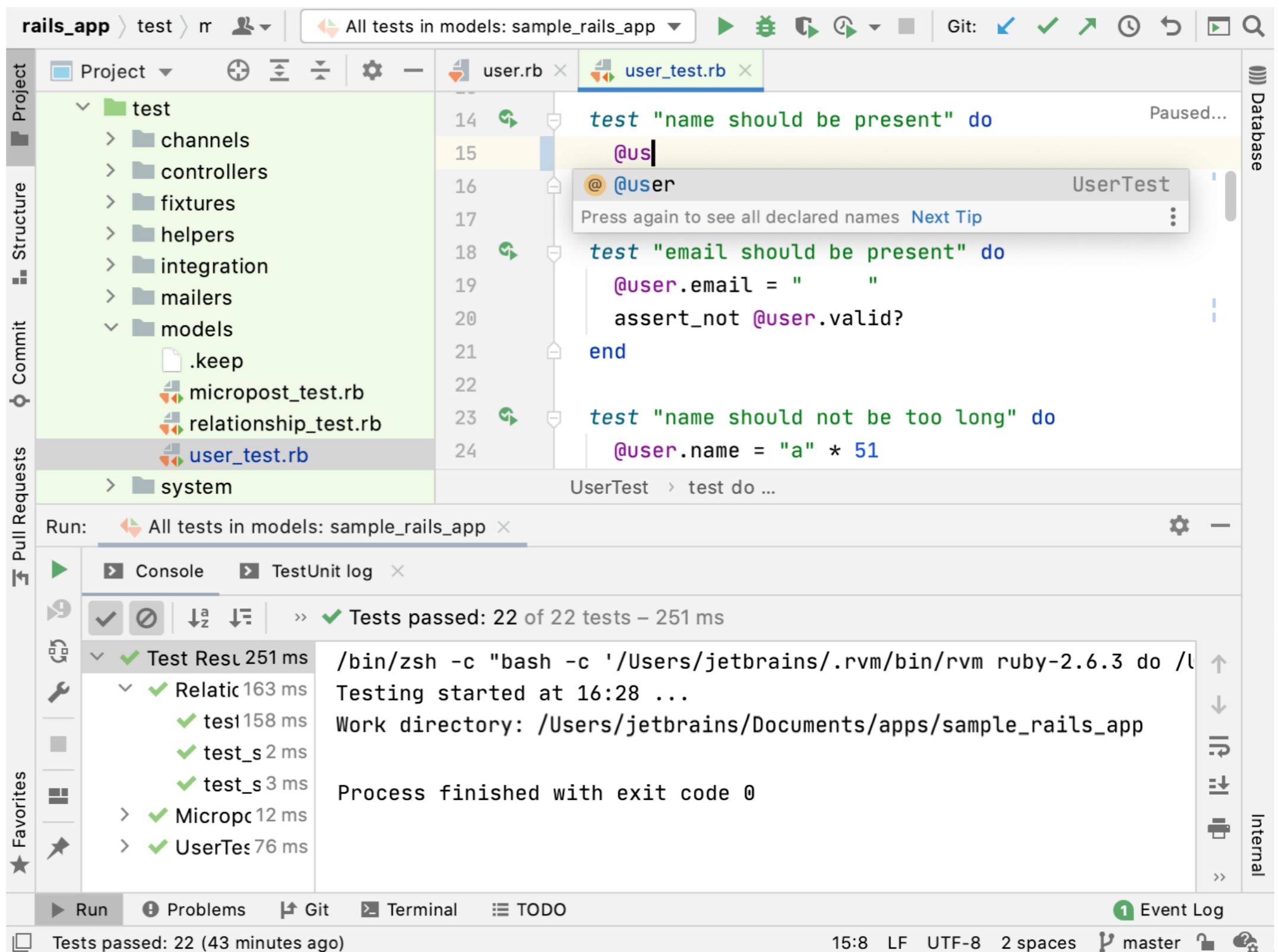
RubyMine

The intelligent Ruby and Rails IDE

RubyMine is an IDE that provides essential tools for Ruby and Ruby on Rails development out of the box.

It offers smart code completion and analysis, easy code navigation, safe automated refactorings, an interactive debugger, Git workflow support, and many other tools all integrated together in a highly customizable, productive, user-friendly environment.

Learn more at
jetbrains.com/ruby



The screenshot shows the RubyMine IDE interface. The top bar displays the project name "rails_app" and the current file "user_test.rb". The status bar indicates "All tests in models: sample_rails_app". The main area features a code editor with syntax highlighting and code completion suggestions. To the left is the "Project" tool window showing the directory structure under "test" (channels, controllers, fixtures, helpers, integration, mailers, models). The "models" folder contains files like ".keep", "micropost_test.rb", "relationship_test.rb", and "user_test.rb". Below the code editor is the "Run" tool window showing the results of a test run: "Tests passed: 22 of 22 tests – 251 ms". The log pane shows the command used to start the test ("bin/zsh -c bash -c 'bash -c 'rvm use ruby-2.6.3 & bundle exec rake test'" and the output ("Testing started at 16:28 ..."). The bottom status bar shows the time (15:8), encoding (UTF-8), and branch (master).

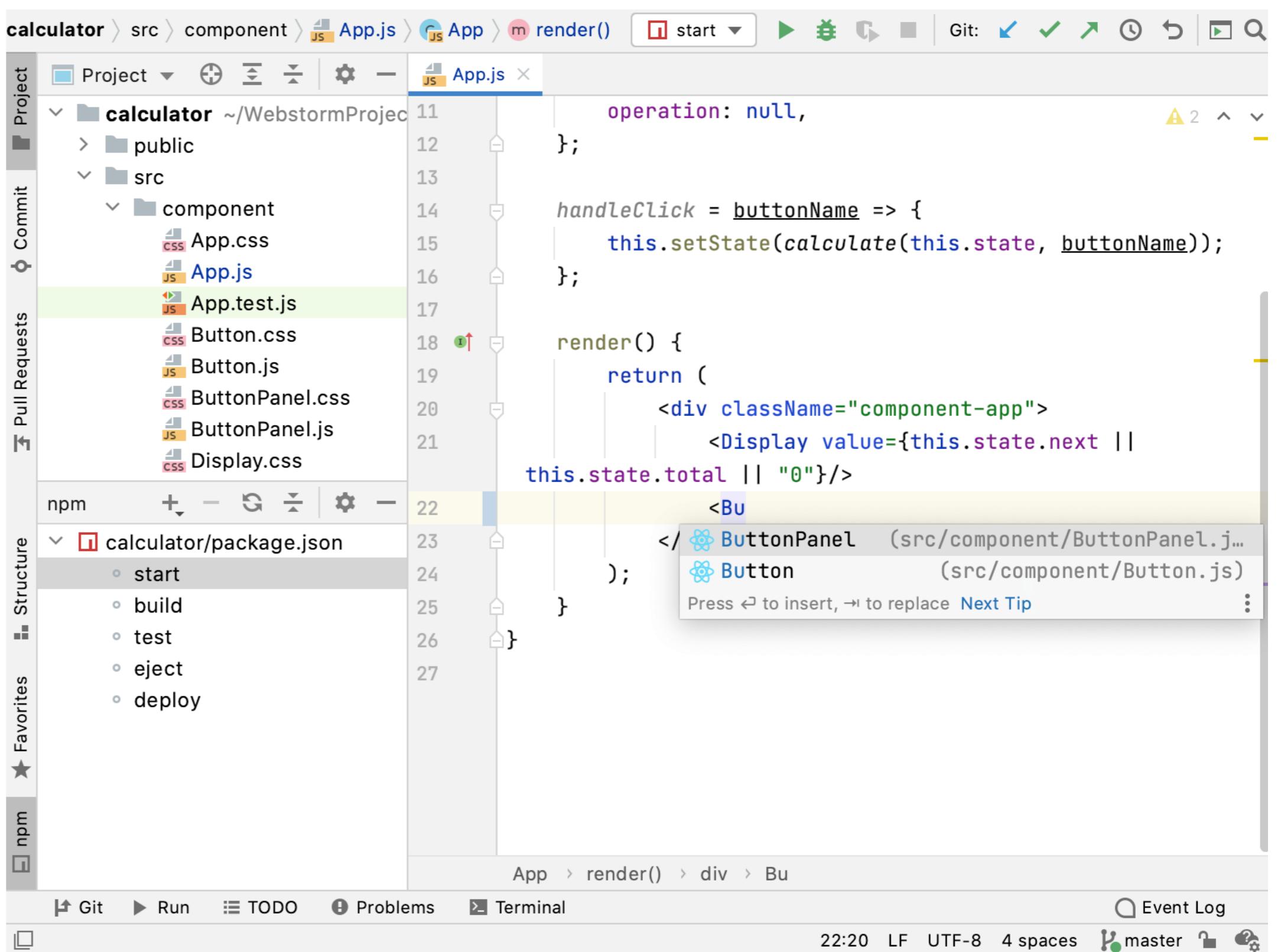
ws WebStorm

The smartest JavaScript IDE

WebStorm is a powerful IDE for JavaScript development which helps you write high-quality code quickly, regardless of how complex your projects might be. With out-of-the-box support for all popular technologies and a variety of built-in developer tools, it lets you get straight to work instead of wasting time on setting up your development environment.

[Learn more](#)

jetbrains.com/webstorm





A cross-platform C/C++ IDE

CLion is a smart IDE for developing in C or C++ on Windows, Linux, and macOS. It's packed with an in-depth code analyzer, a range of code generation options, and the ability to navigate to anywhere in your code in one click. CLion understands modern C++ standards and provides preprocessor support. It also integrates with GDB/LLDB and a set of unit testing frameworks.

Learn more at
jetbrains.com/clion

The screenshot shows the CLion IDE interface. The main window displays the file `GameState.h` with the following code:

```
14
15     QRect getField() const;
16
17     void draw(QPainter& painter) const;
18
19     int getScore() const;
20
21     private:
22         void processCollisions();
23
24     private:
25         QRect field_;
26
26         Ball ball_;
27         std::vector<Brick> bricks_;
28         Brick paddle_;
29
30         int score_;
31     };
32
33 }
```

The code editor has syntax highlighting for C++ and includes annotations such as TODO comments and code navigation icons. The bottom right corner of the code editor shows a lightbulb icon, indicating a code completion or analysis suggestion.

On the left side, the Project tool window shows the file structure with a node labeled "TODO: include clock". The Structure tool window below it lists class members: `GameState(int, int)`, `calc(int) : void`, `movePaddle(int) : void`, `getField() const : QRect`, `draw(QPainter &) const : void`, `getScore() const : int`, `processCollisions() : void`, `field_ : QRect`, `ball_ : Ball`, `bricks_ : vector<Brick>`, `paddle_ : Brick`, and `score_ : int`. The member `score_` is currently selected.

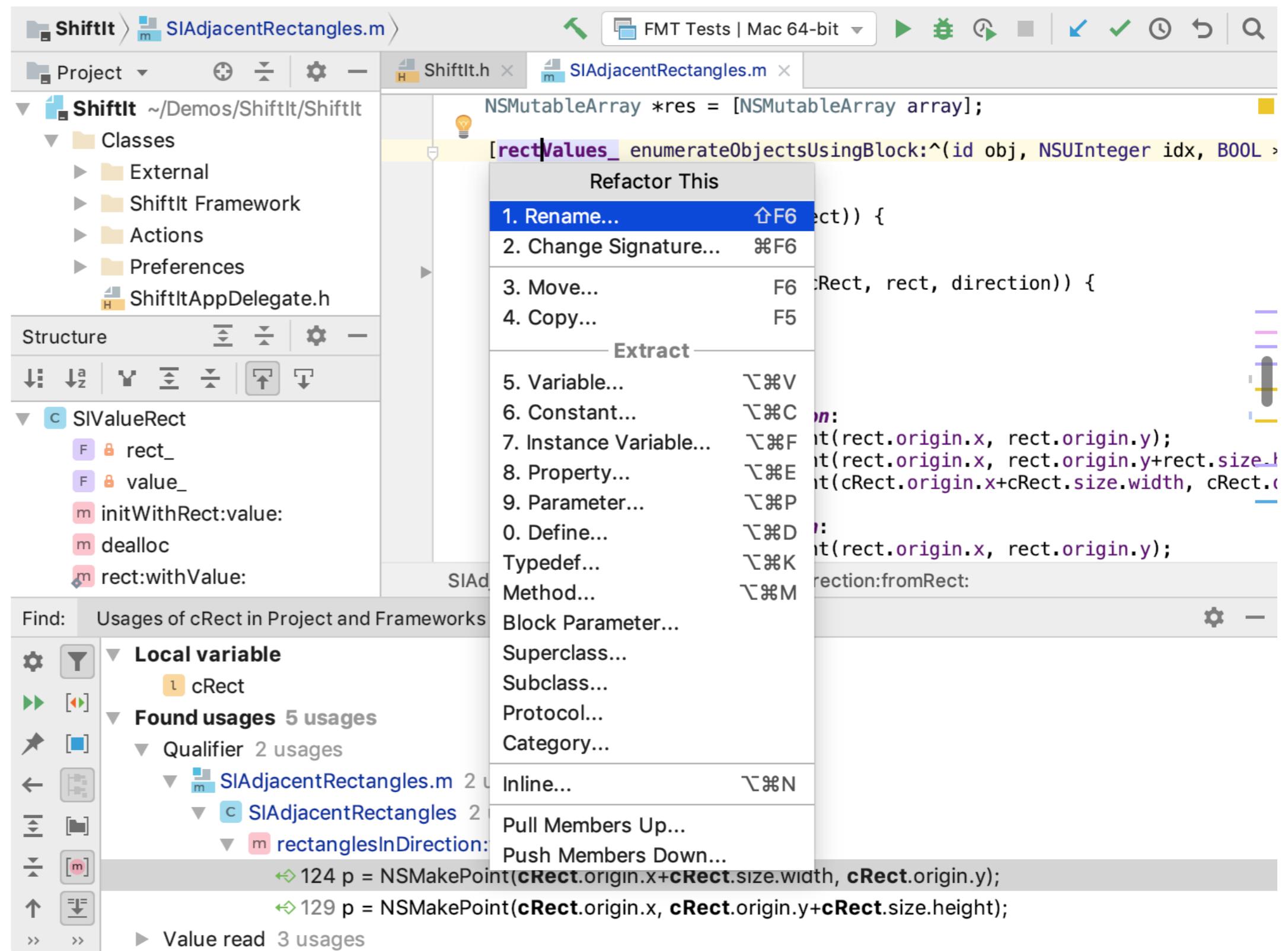
The bottom of the interface features several tabs: Find, TODO, CMake, Terminal, Version Control, and Event Log. A status bar at the very bottom shows the current file path: `clion-arkanoid GameState.h`.

AC AppCode

The smart IDE for iOS/macOS development

AppCode is your intelligent assistant for building apps for Apple devices in Swift, Objective-C, C or C++. Use it to save time while you code, refactor, debug, and test. Rely on its smart code analysis and seamless integration with a wide range of testing frameworks, databases, Reveal, and CocoaPods.

Learn more at
jetbrains.com/objc

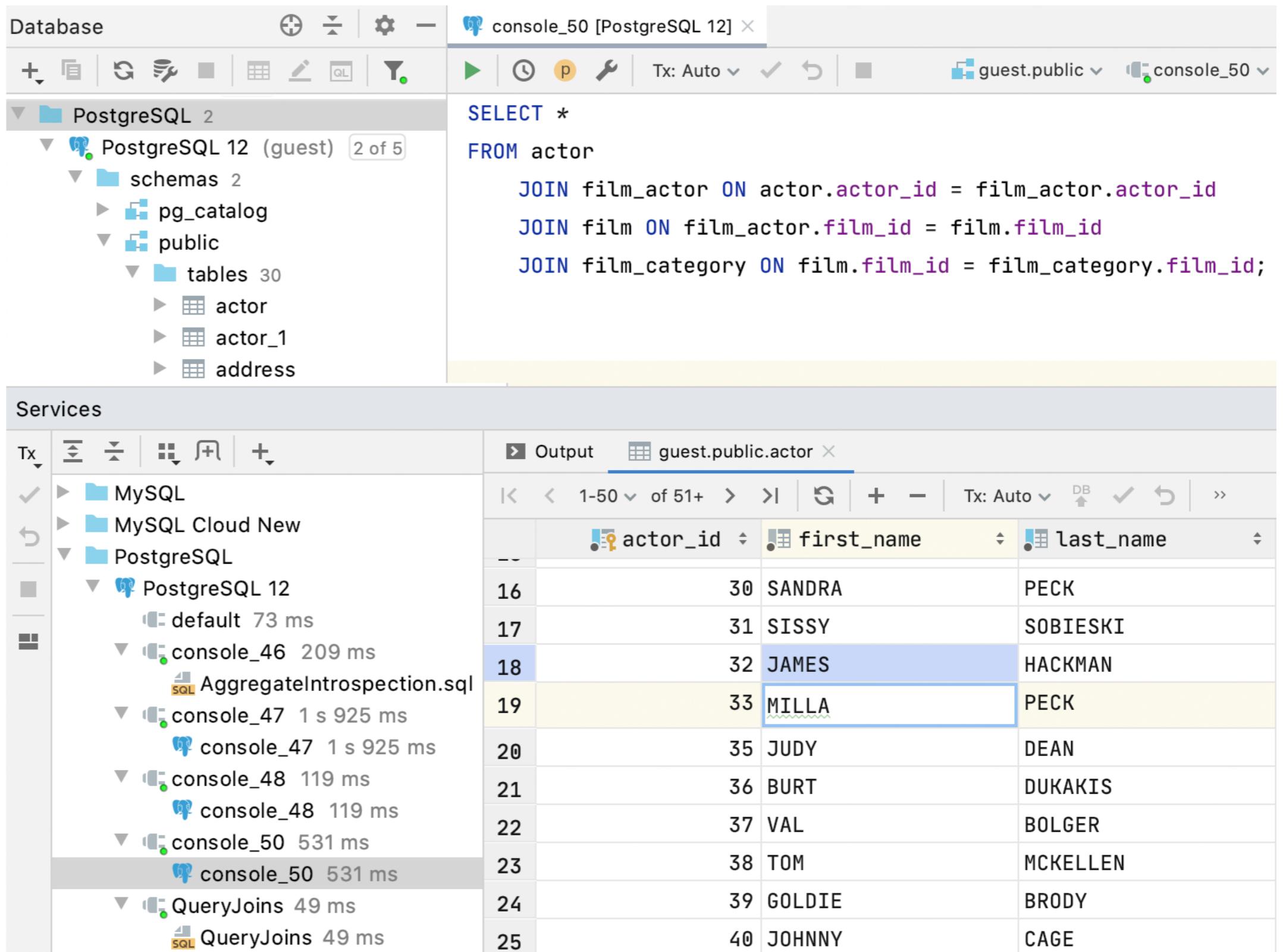


DataGrip

The SQL IDE

This smart SQL editor and advanced database client is tailored to meet the specific needs of professional database developers. It delivers a range of database tools neatly packed together and running atop the IntelliJ Platform.

Learn more at
jetbrains.com/datagrip



The screenshot displays the DataGrip interface with the following components:

- Database Browser:** Shows a tree view of the PostgreSQL 2 database, including the PostgreSQL 12 (guest) schema which contains schemas (pg_catalog, public), tables (actor, actor_1, address), and views.
- SQL Editor:** Contains a multi-line code editor with the following SQL query:

```
SELECT *
FROM actor
JOIN film_actor ON actor.actor_id = film_actor.actor_id
JOIN film ON film_actor.film_id = film.film_id
JOIN film_category ON film.film_id = film_category.film_id;
```
- Services:** A sidebar showing a list of databases and their connection details, including MySQL, MySQL Cloud New, and various PostgreSQL instances (PostgreSQL 12, console_46, console_47, console_48, console_50, QueryJoins).
- Results Grid:** An output window titled "guest.public.actor" showing the results of the executed query. The grid has columns: actor_id, first_name, and last_name. The data includes rows for Sandra Peck, Sissy Sobieski, James Hackman, Milla Peck, Judy Dean, Burt Dukakis, Val Bolger, Tom McKellen, Goldie Brody, and Johnny Cage.

GO GoLand

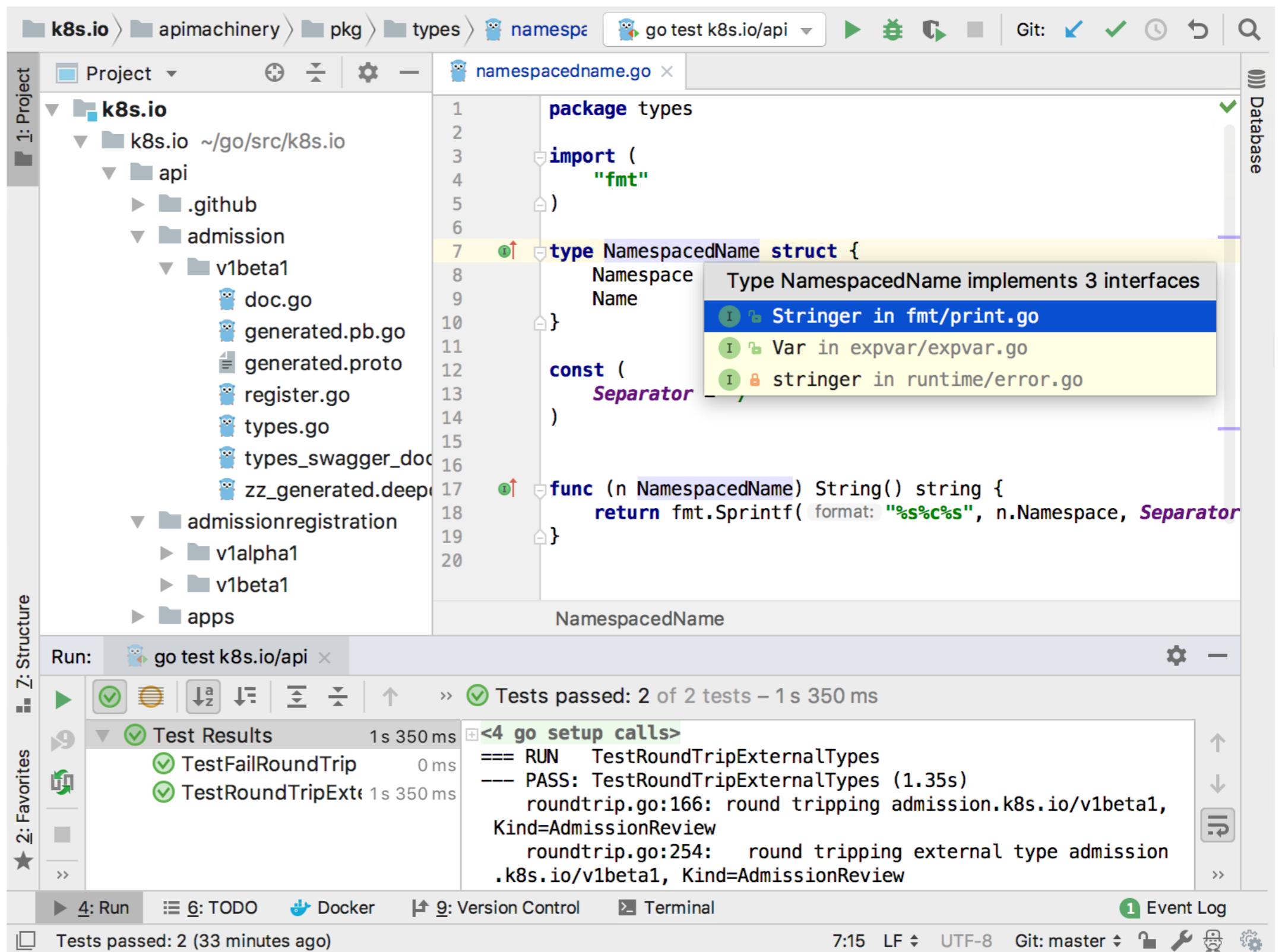
More than just a Go IDE

An IDE that makes it easy to read, write, and change more than just Go code, GoLand is fully equipped to work with web, frontend, backend, and databases.

GoLand offers a host of smart features, such as intelligent code completion, safe refactorings with one-step undo, a powerful built-in debugger, and on-the-fly error detection with quick-fixes.

Thanks to GoLand, all Go developers, from novices to experienced professionals, can create fast, efficient, and reliable code.

Learn more at
jetbrains.com/go



The screenshot shows the GoLand IDE interface. The top navigation bar includes tabs for 'Project' (selected), 'Run', 'TODO', 'Docker', 'Version Control', and 'Terminal'. The status bar at the bottom shows 'Tests passed: 2 (33 minutes ago)', the time '7:15', and system information like 'LF', 'UTF-8', 'Git: master', and icons for file operations.

The main area consists of several panes:

- Project pane (1: Project):** Shows the project structure under 'k8s.io'. It includes sub-folders like 'api', '.github', 'admission', 'v1beta1', 'admissionregistration', 'v1alpha1', and 'apps'. Files listed include 'doc.go', 'generated.pb.go', 'generated.proto', 'register.go', 'types.go', 'types_swagger_doc.go', 'zz_generated.deepcopy.go', and 'v1beta1.go'.
- Code editor pane (2: Structure):** Displays the file 'namespacedname.go' with the following code:

```
package types

import (
    "fmt"
)

type NamespacedName struct {
    Namespace string
    Name      string
}

const (
    Separator = ","
)

func (n NamespacedName) String() string {
    return fmt.Sprintf("%s%c%s", n.Namespace, Separator, n.Name)
}
```

A tooltip for the 'NamespacedName' struct shows that it implements three interfaces: 'Stringer' (from 'fmt/print.go'), 'Var' (from 'expvar/expvar.go'), and 'Stringer' (from 'runtime/error.go').
- Run pane (3: Run):** Shows the command 'go test k8s.io/api' and the result: 'Tests passed: 2 of 2 tests - 1s 350 ms'. It also lists 'Test Results' with two entries: 'TestFailRoundTrip' (0 ms) and 'TestRoundTripExternalTypes' (1s 350 ms). The output for 'TestRoundTripExternalTypes' is shown below.
- Event Log pane (4: Event Log):** Shows the log output for the test run:

```
<4 go setup calls>
--- RUN TestRoundTripExternalTypes
--- PASS: TestRoundTripExternalTypes (1.35s)
    roundtrip.go:166: round tripping admission.k8s.io/v1beta1,
    Kind=AdmissionReview
    roundtrip.go:254: round tripping external type admission
    .k8s.io/v1beta1, Kind=AdmissionReview
```

.NET & Visual Studio

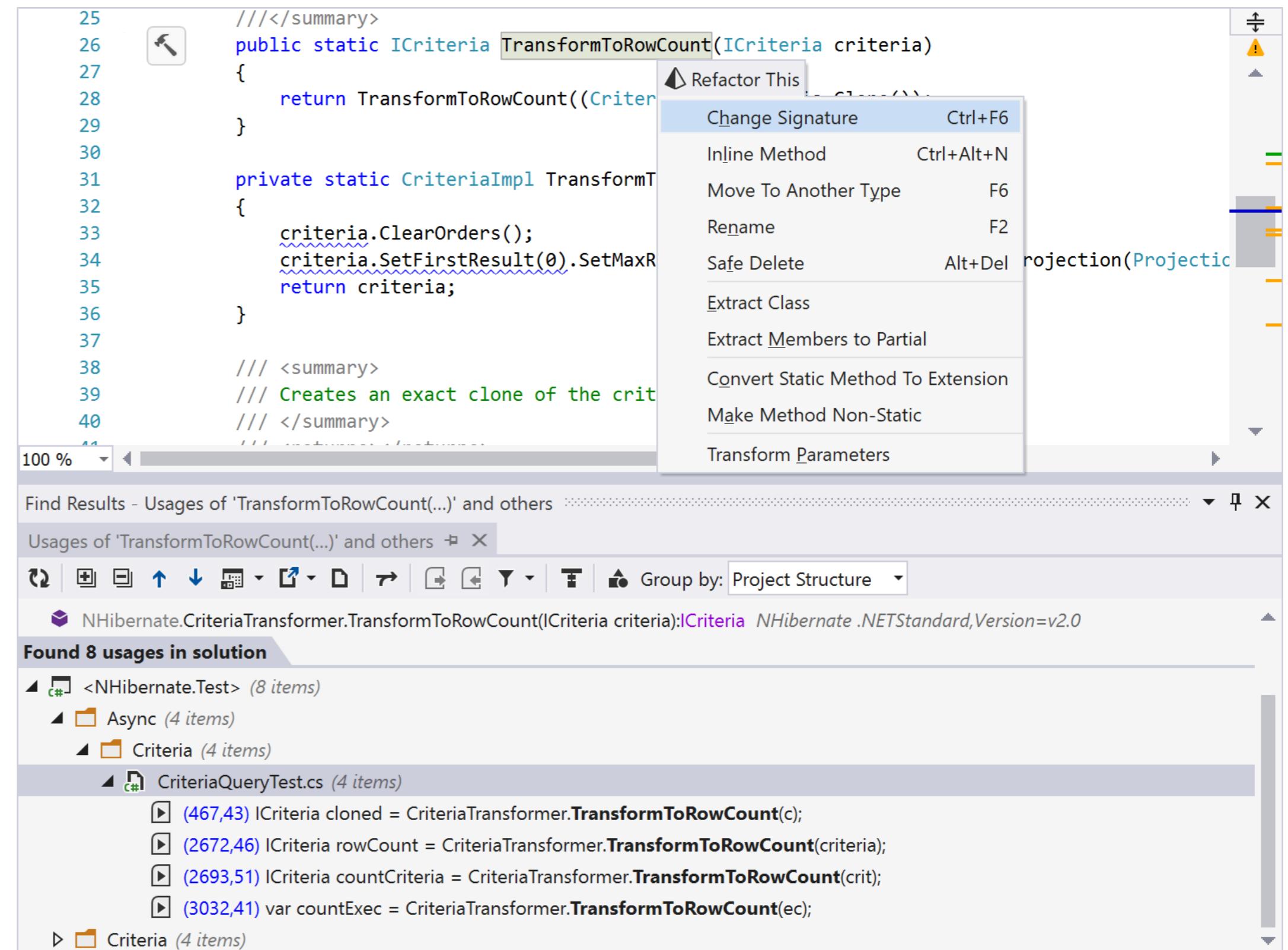


R# ReSharper

The leading Visual Studio productivity tool

ReSharper is a renowned productivity tool that turns Microsoft Visual Studio into a much better IDE. Both individual .NET developers and teams rely on ReSharper to write and maintain code in a more manageable and enjoyable way, adopt the best coding practices, and deliver higher-quality applications faster.

Learn more at
jetbrains.com/resharper



The screenshot shows the ReSharper interface integrated into Visual Studio. A context menu is open over some C# code, with 'Change Signature' selected. Below the editor, a 'Find Results' window displays 8 usages of the 'TransformToRowCount' method across various projects and files, including 'CriteriaQueryTest.cs' and 'Criteria.cs'.

```
25     ///</summary>
26     public static ICriteria TransformToRowCount(ICriteria criteria)
27     {
28         return TransformToRowCount((Criteria)criteria);
29     }
30
31     private static CriteriaImpl TransformToRowCount(ICriteria criteria)
32     {
33         criteria.ClearOrders();
34         criteria.SetFirstResult(0).SetMaxResults(1);
35         return criteria;
36     }
37
38     /// <summary>
39     /// Creates an exact clone of the criteria object
30     /// </summary>
31     /// <summary>
32     /// Creates an exact clone of the criteria object
33     /// </summary>
34     /// <summary>
35     /// Creates an exact clone of the criteria object
36     /// </summary>
```

Find Results - Usages of 'TransformToRowCount(...)' and others

Usages of 'TransformToRowCount(...)' and others

NHibernate.CriteriasTransformer.TransformToRowCount(ICriteria criteria):ICriteria NHibernate .NETStandard, Version=v2.0

Found 8 usages in solution

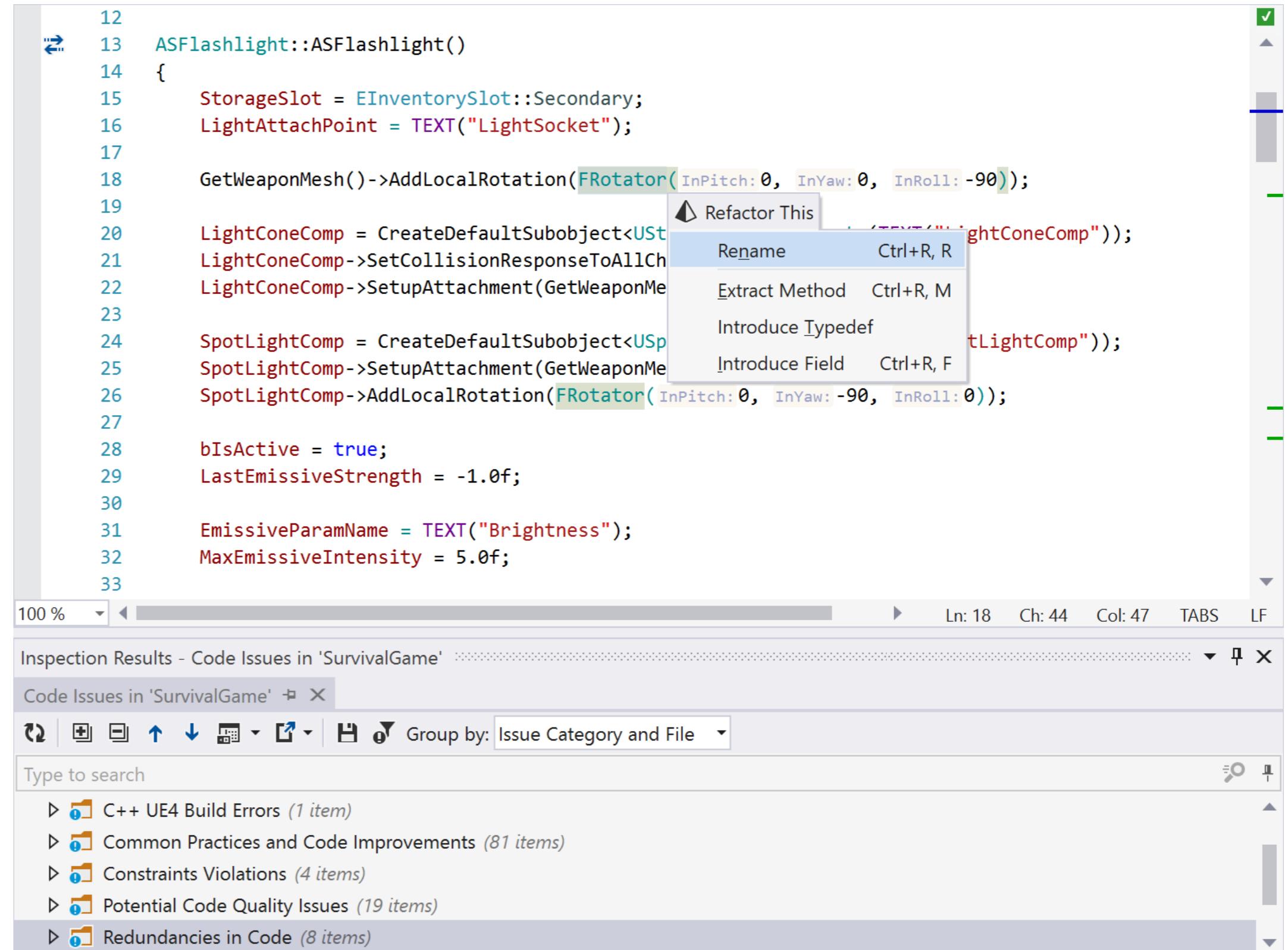
- <NHibernate.Test> (8 items)
 - Async (4 items)
 - Criteria (4 items)
 - CriteriaQueryTest.cs (4 items)
 - (467,43) ICriteria cloned = CriteriaTransformer.TransformToRowCount(c);
 - (2672,46) ICriteria rowCount = CriteriaTransformer.TransformToRowCount(criteria);
 - (2693,51) ICriteria countCriteria = CriteriaTransformer.TransformToRowCount(crit);
 - (3032,41) var countExec = CriteriaTransformer.TransformToRowCount(ec);
 - Criteria (4 items)

ReSharper C++

The Visual Studio extension for C++ developers

ReSharper C++ is a productivity extension for developing in C and C++ that fully integrates with Microsoft Visual Studio. It helps developers create efficient and correct code in modern C++ by providing safe refactorings, fast navigation, and code analysis for the trickiest aspects of the language. It offers support for HLSL shaders, the C++/CLI specifications, and Unreal Engine code.

Learn more at
jetbrains.com/resharper-cpp



The screenshot shows a Visual Studio code editor with C++ code for an Unreal Engine component. A context menu is open over a line of code, showing options like 'Refactor This', 'Rename', 'Extract Method', and 'Introduce Typealias'. Below the editor is the 'Inspection Results' window, which displays various code issues categorized into sections such as 'C++ UE4 Build Errors', 'Common Practices and Code Improvements', 'Constraints Violations', 'Potential Code Quality Issues', and 'Redundancies in Code'.

```
12
13     ASFlashlight::ASFlashlight()
14     {
15         StorageSlot = EInventorySlot::Secondary;
16         LightAttachPoint = TEXT("LightSocket");
17
18         GetWeaponMesh()->AddLocalRotation(FRotator(InPitch: 0, InYaw: 0, InRoll: -90));
19
20         LightConeComp = CreateDefaultSubobject<UST
21         LightConeComp->SetCollisionResponseToAllCh
22         LightConeComp->SetupAttachment(GetWeaponMe
23
24         SpotLightComp = CreateDefaultSubobject<USp
25         SpotLightComp->SetupAttachment(GetWeaponMe
26         SpotLightComp->AddLocalRotation(FRotator( InPitch: 0, InYaw: -90, InRoll: 0));
27
28         bIsActive = true;
29         LastEmissiveStrength = -1.0f;
30
31         EmissiveParamName = TEXT("Brightness");
32         MaxEmissiveIntensity = 5.0f;
33     }
```

100 % ▶ Ln: 18 Ch: 44 Col: 47 TABS LF

Inspection Results - Code Issues in 'SurvivalGame' ▾ ✎ X

Code Issues in 'SurvivalGame' ▾ ✎ X

Group by: Issue Category and File

Type to search

- ▶ C++ UE4 Build Errors (1 item)
- ▶ Common Practices and Code Improvements (81 items)
- ▶ Constraints Violations (4 items)
- ▶ Potential Code Quality Issues (19 items)
- ▶ Redundancies in Code (8 items)



A fast & powerful, cross-platform .NET IDE

Rider helps you develop .NET, .NET Core, .NET Framework, ASP.NET, Xamarin, or Unity applications on Windows, Mac, and Linux. It provides outstanding editing support and code insight for languages used in .NET development including C#, F#, Razor/Blazor syntax, JavaScript, TypeScript, XAML, HTML, CSS, and SQL.

Rider includes 2500+ live code inspections, hundreds of context actions and refactorings provided by ReSharper, all combined with IntelliJ Platform's robust IDE feature set. Although it is heavily loaded with features, Rider is fast and responsive.

Learn more at
jetbrains.com/rider

The screenshot shows the Rider IDE interface. The top bar displays the project path: Web > src > Web > Services > CatalogService.cs, along with build configurations (Debug | Any CPU), toolbars, and a search bar. The main area is the code editor for CatalogService.cs, showing a method implementation:

```
public async Task<CatalogIndexViewModel> GetCatalogItems(int pageIndex, int itemsPage, int peId);
```

The cursor is positioned on the closing brace of the method. A context menu is open, listing various refactoring options: Refactor This, Change Signature Ctrl+F6, Inline Method Ctrl+Alt+N, Rename F2, Safe Delete Alt+Delete, Extract Interface, Extract Superclass, Extract Class, Extract Members to Partial, Pull Members Up, Push Members Down, and Transform Parameters. Below the code editor, the Unit Tests tab is selected, showing a tree view of test results:

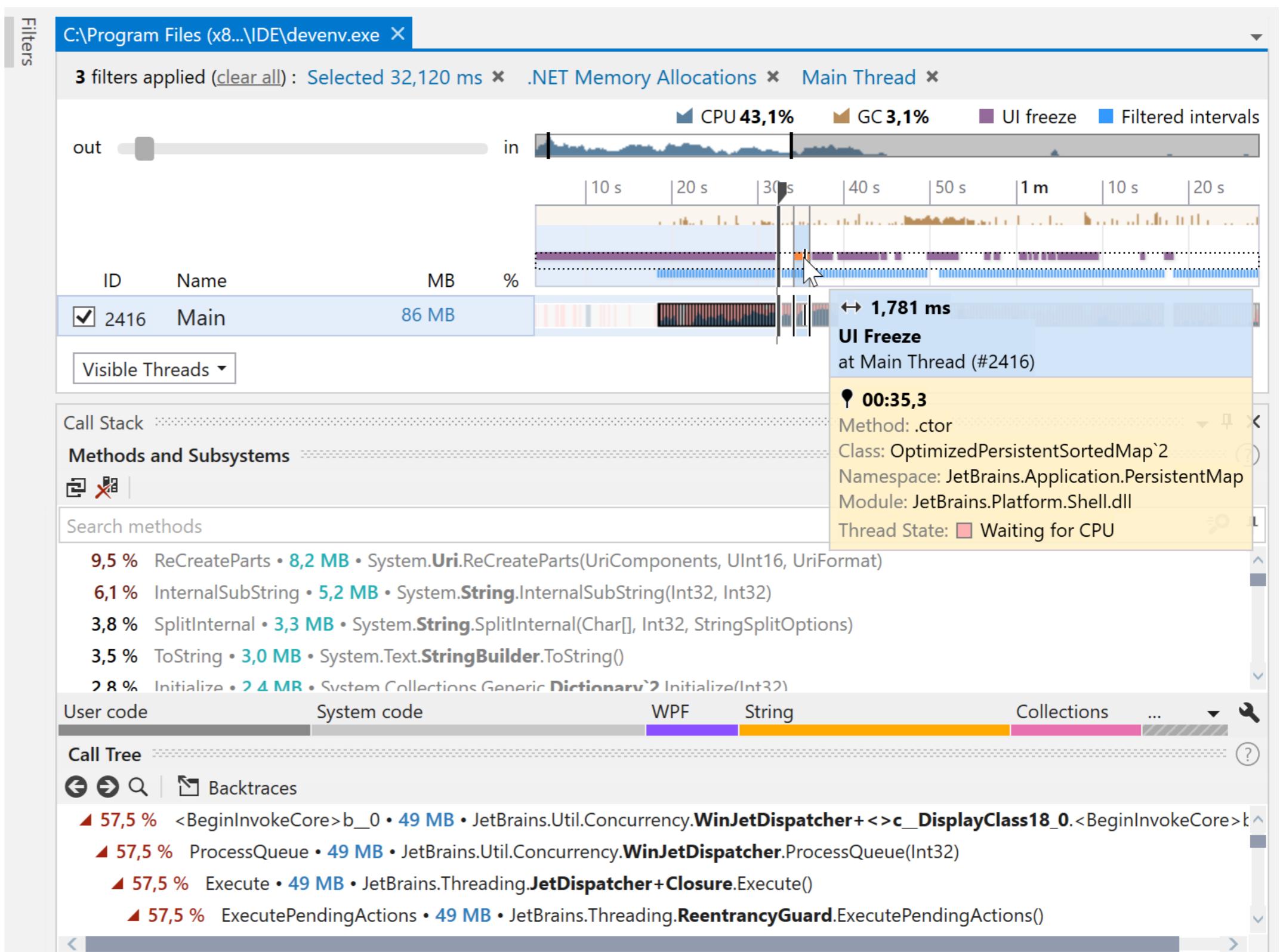
- tests (20 tests) Success
 - UnitTests (20 tests) Success
 - BasketWithItems (2 tests) Success
 - CatalogFilterSpecificationFilter (7 tests) Success
 - SetQuantities (2 tests) Success
 - ThrowsGivenInvalidBasketId Success
 - ThrowsGivenNullQuantities Success

dotTrace

A .NET performance profiler

Quickly finds performance bottlenecks so you can optimize your .NET applications. dotTrace provides great ways to visualize information to make profiling results easier to act upon.

Learn more at
jetbrains.com/profiler

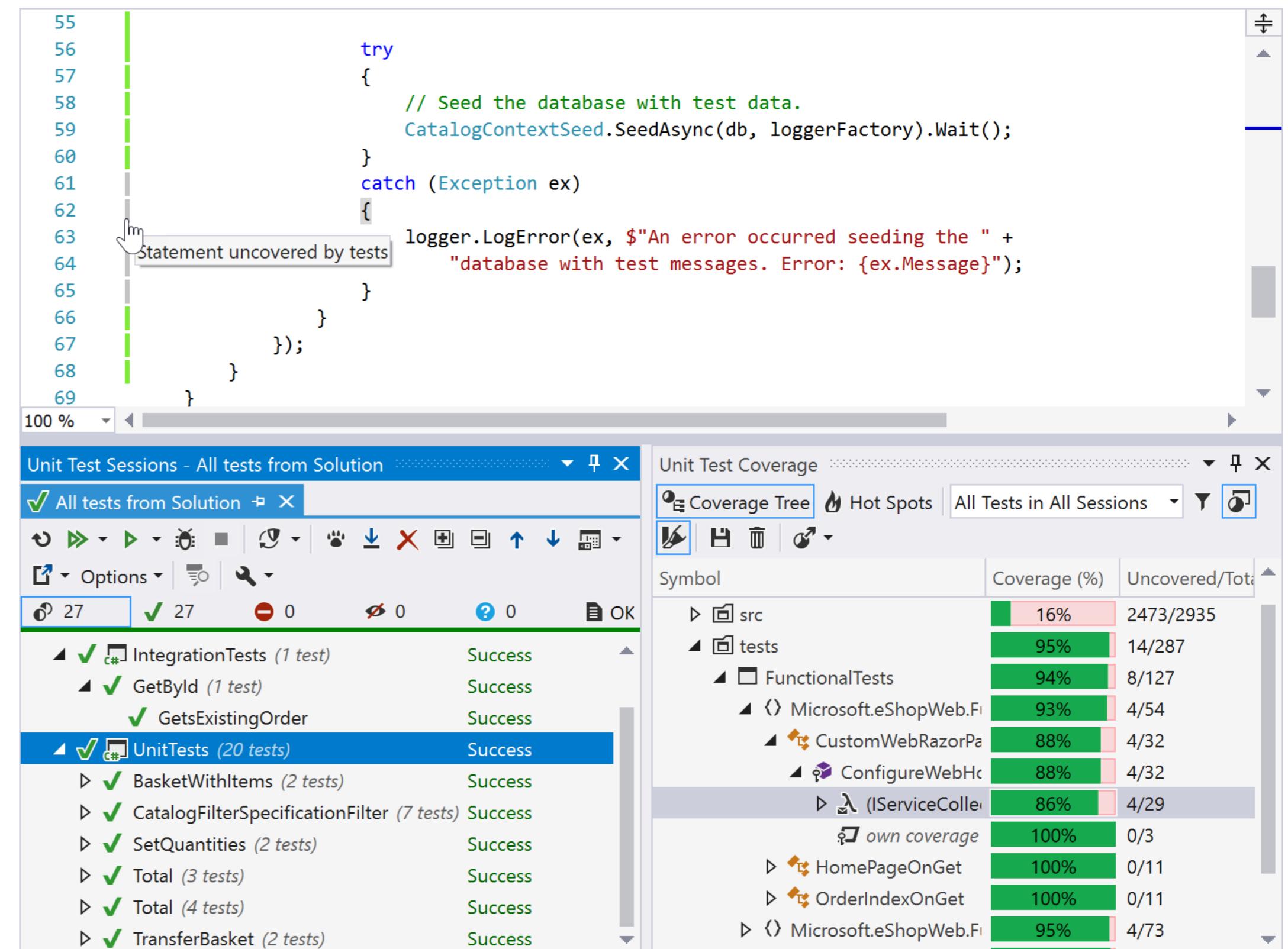




A .NET unit test runner and code coverage tool

With dotCover, you always know to what extent your code is covered with unit tests. dotCover works right in Visual Studio and is Continuous Integration ready.

Learn more at
jetbrains.com/dotcover



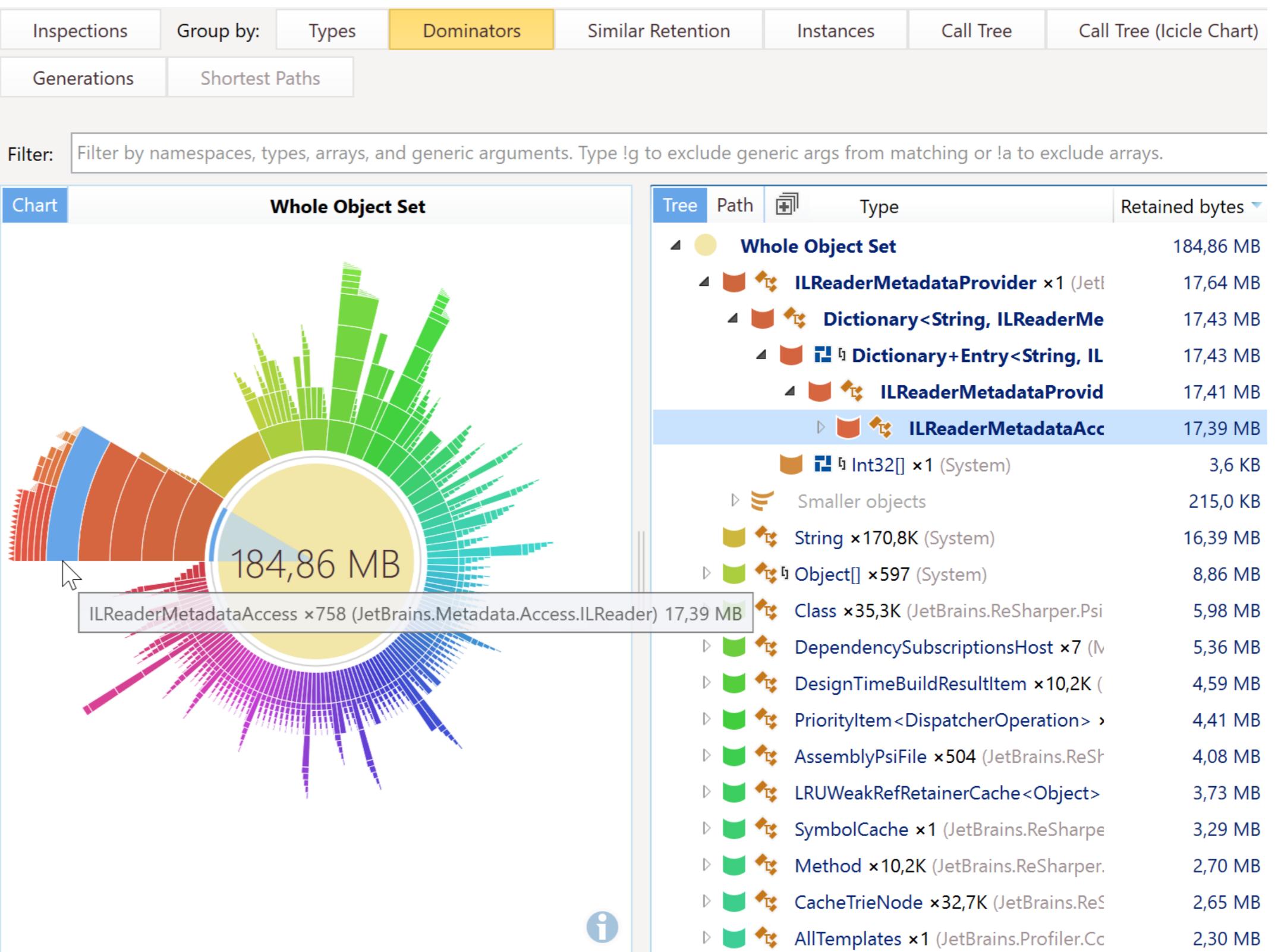
dotMemory

A .NET memory profiler

For optimizing memory usage in your .NET applications, detecting memory leaks, and combating all types of memory issues.

Learn more at

jetbrains.com/dotmemory



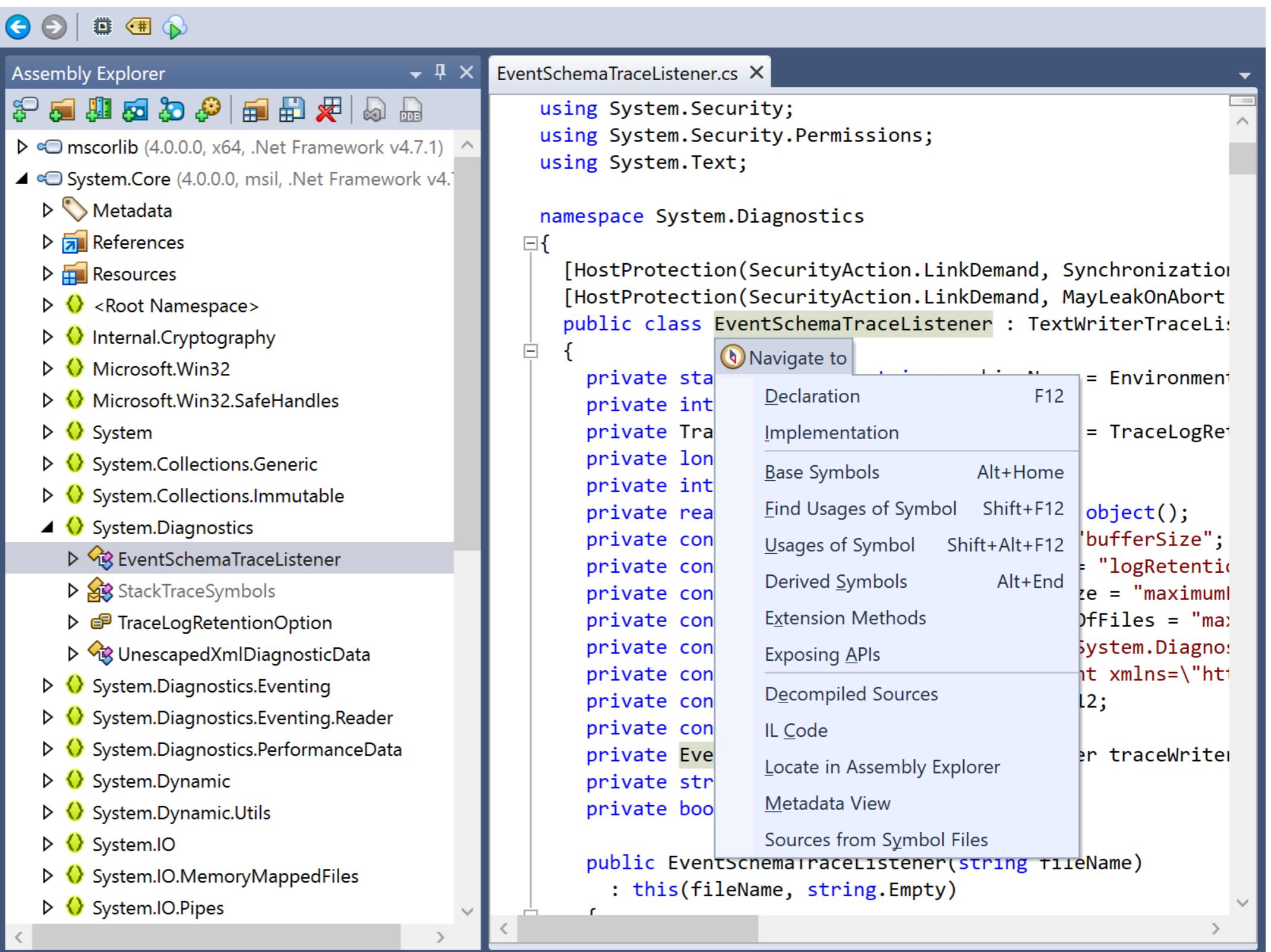


A free .NET decompiler and assembly browser

High-quality decompiling and assembly
browsing with code navigation and search.

Free tool.

Learn more at
[jetbrains.com/decompiler](https://www.jetbrains.com/decompiler)



Toolbox App

A free app for managing JetBrains tools and projects the smart way

Toolbox App is a tiny application that provides effortless access to the developers' tools and projects across all JetBrains IDEs.

It simplifies installations, updates, and rollbacks to previous versions. An autoupdate option is also available for each installed IDE.

Learn more at

jetbrains.com/toolbox-app

The screenshot shows the 'Tools' tab of the Toolbox App. At the top, there's a header with the JetBrains logo and 'TOOLBOX'. Below it, tabs for 'Projects' and 'Tools' (with a '1' notification) are visible. The main area is divided into two sections: 'Installed' and 'Available'.

Installed:

- IntelliJ IDEA Ultimate** (version 2019.3.1) - Status: Up-to-date, with an 'Update all' button.
- PyCharm Professional** (version 2019.2.3) - Status: Up-to-date, with an 'Update' button.

Available:

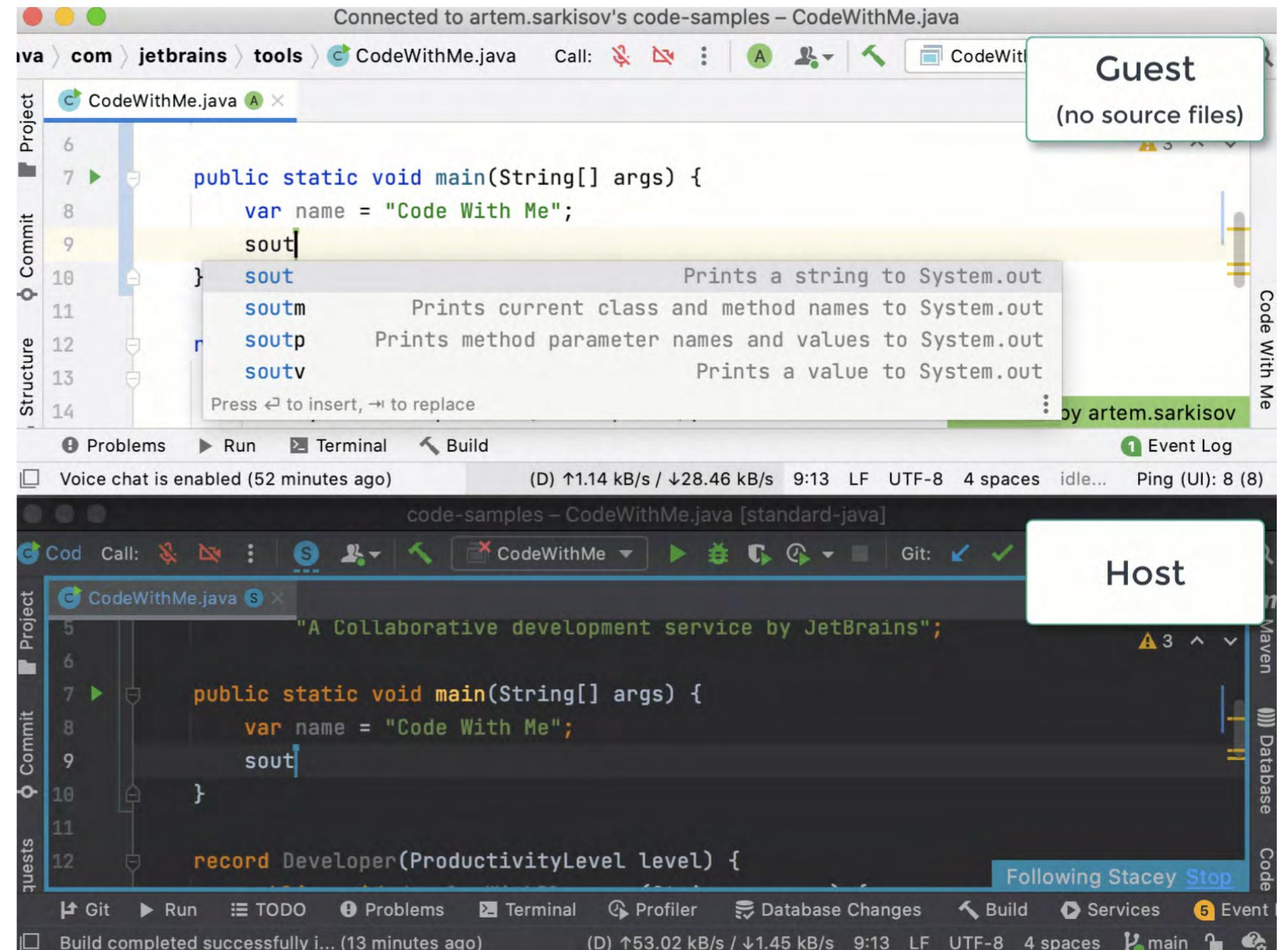
- IntelliJ IDEA Community** - Status: Available, with an 'Install' button.
- DataGrip** - Status: Available, with an 'Install' button.
- PyCharm Community** - Status: Available, with an 'Install' button.
- WebStorm** - Status: Available, with an 'Install' button.
- CLion** - Status: Available, with an 'Install' button.
- PhpStorm** - Status: Available, with an 'Install' button.



The collaborative development service

Code With Me is a new collaborative development and pair programming service. It enables you to share the currently opened project in your IDE with others, and work on it together in real time.

Learn more at
jetbrains.com/code-with-me



Team tools





The integrated team environment

Space is an all-in-one extensible team collaboration solution that covers software development, project and team management, and communications.

It ensures organizational transparency with the team directory; efficient communication with chats, documents, blogs, meetings, and calendars, as well as effective project management with checklists, an issue tracker, and issue boards. It also covers the software development pipeline with Git hosting, code reviews, automation, CI/CD pipelines, and package management. Space is flexible, extensible, and customizable to the needs of your team and your organization. Start using it today with the free cloud plan for unlimited users.

Learn more and sign up for free
jetbrains.com/space

Product catalog: Team tools

The screenshot shows the JetBrains Space application interface. On the left is a vertical sidebar with icons for Teams, Chats, Issues, Dashboards, Issue Boards, Packages, CI/CD Pipelines, Code Reviews, Permissions, VCS, IDE Integration, Quick Actions, Top-Down Planning, Meetings, Vacations, Business Trips, Documents, Office Maps, and Blogs. The main area displays the following sections:

- Check the availability of your teammates**: Shows a calendar for Galactic Travels Inc. on October 23rd, listing events for Maarten/Maxim (13:00 - 14:00), Daily Standup (15:00 - 16:00), Birthday of Lucille Percy (28 Oct), and Vacation (1-3 Nov).
- Schedule meetings and add absences**: Shows a section for Followed Members and Teams, specifically Software Development, with 13 members listed, 11 at work, 11 available, and 2 unavailable.
- View commits, browse files, check a repository**: Shows a section for Favorite Projects, listing Ktor.io (4 repositories) and Transportation (no repositories).
- Check the code reviews assigned to you**: Shows a section for Code Reviews with items like "Needs my review" (KTORIO-MR-12) and "Includes my changes" (KTORIO-MR-13).
- Never miss an important update with the company blog**: Shows a section for Recent Blog Posts, with entries from Hadi Smith ("Piece of cake!") and Christiana Brennan ("Warp drive slowdown on October 8").

TeamCity

The screenshot shows the TeamCity web interface. At the top, there's a navigation bar with links for 'Projects', 'Changes', 'Agents' (1047), 'Build Queue' (1974), 'Architect', 'Administration', and a search bar. Below the navigation is a breadcrumb trail: 'Matrix / Trunk / Integration Tests / Plugins Integration Tests / Perfmon / All Perfmon Integration Tests'. A green success message indicates '#3243 at 28 Nov 02:03' with 1095 tests passed, 117 ignored, and 13 build chain finished. There are buttons for 'Edit Configuration...', 'Run', and '...'. A chart on the right shows build status over time from 20 Nov. The main content area has tabs for 'Overview', 'Changes: 6', 'Tests', 'Build Log', 'Dependencies' (which is selected), and 'More'. Under 'Dependencies', there are three sub-tabs: 'Timeline' (selected), 'List', and 'Chain'. A large diagram titled 'Select builds to view details' shows a network of builds. Nodes include 'Matrix React UI Build', 'Win32-tfs', 'Win32-VSS', 'Win32-Registry', 'dotnet-listeners', 'Win32-PS', 'BuildDist Core', 'Prepare Maven Artifacts', 'Perfmon Integration... eBSD)', 'Perfmon Integration T... aris)', 'Perfmon Integration ... c OS)', 'Perfmon Integration ... inux)', and 'Perfmon Integration ...dows)'. Every node has a green checkmark icon next to its name.

Powerful CI and CD out of the box

This Continuous Integration and Deployment server provides out-of-the-box test intelligence, real-time reporting on build problems, and unmatched scalability. Install and deploy TeamCity and start building your DevOps pipelines in minutes.

A standalone version is available.

Learn more at
jetbrains.com/teamcity



The project management tool designed for agile teams

A project management tool that can be adapted to your processes to help you deliver great products. Track projects and tasks, use agile boards, plan sprints and releases, keep a knowledge base, work with reports and dashboards, create workflows that follow your business processes. Never force your process to fit the limits of a tool again.

YouTrack has the flexibility to adapt not just to every team, but to every team member. From personal tasks to company-wide portfolios of projects, YouTrack can handle it all with ease and elegance.

Learn more at
jetbrains.com/yettrack

project: Demo | 21 issues | – JetBrains YouTrack

Issues 21 Save as new search

Project Demo State Assignee Type Find issues that contain key words Switch to query mode

Issue summary	Priority
N Reactions	Normal
N Text styling options	Normal
M Create and edit issues	Major
S Launch YouTrack	Show-stopper
N Create a demo project	Normal
C Stay informed	Critical
N Monitor your progress	Normal
N First steps for system administrators	Normal
M Import issues and articles	Major
M Manage user access	Major
N Manage login options	Normal
N First steps for project administrators	Normal
C Create a project	Critical
N Customize issue fields in your project	Normal
M Manage your project team	Major
N Manage assignees	Normal
N First steps for new users	Normal
N Attach files	Normal
N Add tags	Normal
M Search for issues	Major
N Configure time tracking	Normal

DEM-1 0 stars Visible to issue readers

Created by Updated by

Launch YouTrack

DEM Project Demo S Priority Show-stopper Show all fields

Type Task

Congratulations!

This is the first issue in your demo project. This issue represents the effort that went into launching the app you're working with right now. You may have already noticed that this issue is assigned the **Fixed** state. As the application is already up and running, there's nothing more for you to do. However, there are lots of other issues in this project that are assigned the **Open** state and are waiting for your input. To continue along your journey, click through to [Create a demo project](#).

+ Link issue

Activity settings

3 months ago We've added a few work items to this issue that represent what steps were taken to resolve this issue. It took a little more time than expected, so the indicator for the **Estimation** field is shown in red.

Evaluated the list of features that are supported in YouTrack.

Launched my YouTrack.

Had a quick look around the application.

Work items are visible when you toggle the filter for spent time here in the activity stream.

Note — the ability to view and record spent time is not available in the current version of YouTrack Lite. If you want to work with time tracking features in your projects, switch to the YouTrack Classic UI.



Code review, project analytics

Upsource is a powerful tool for teams wishing to improve their code, projects, and processes. It serves as a polyglot code review tool, a source of data-driven project analytics, an intelligent repository browser and a team collaboration center. Upsource boasts an in-depth knowledge of Java, PHP, JavaScript, Python, and Kotlin to increase the efficiency of code reviews. It continuously analyzes the repository activity providing valuable insight into potential design problems and project risks. On top of that Upsource makes team collaboration easy and enjoyable.

Learn more at
jetbrains.com/upsource

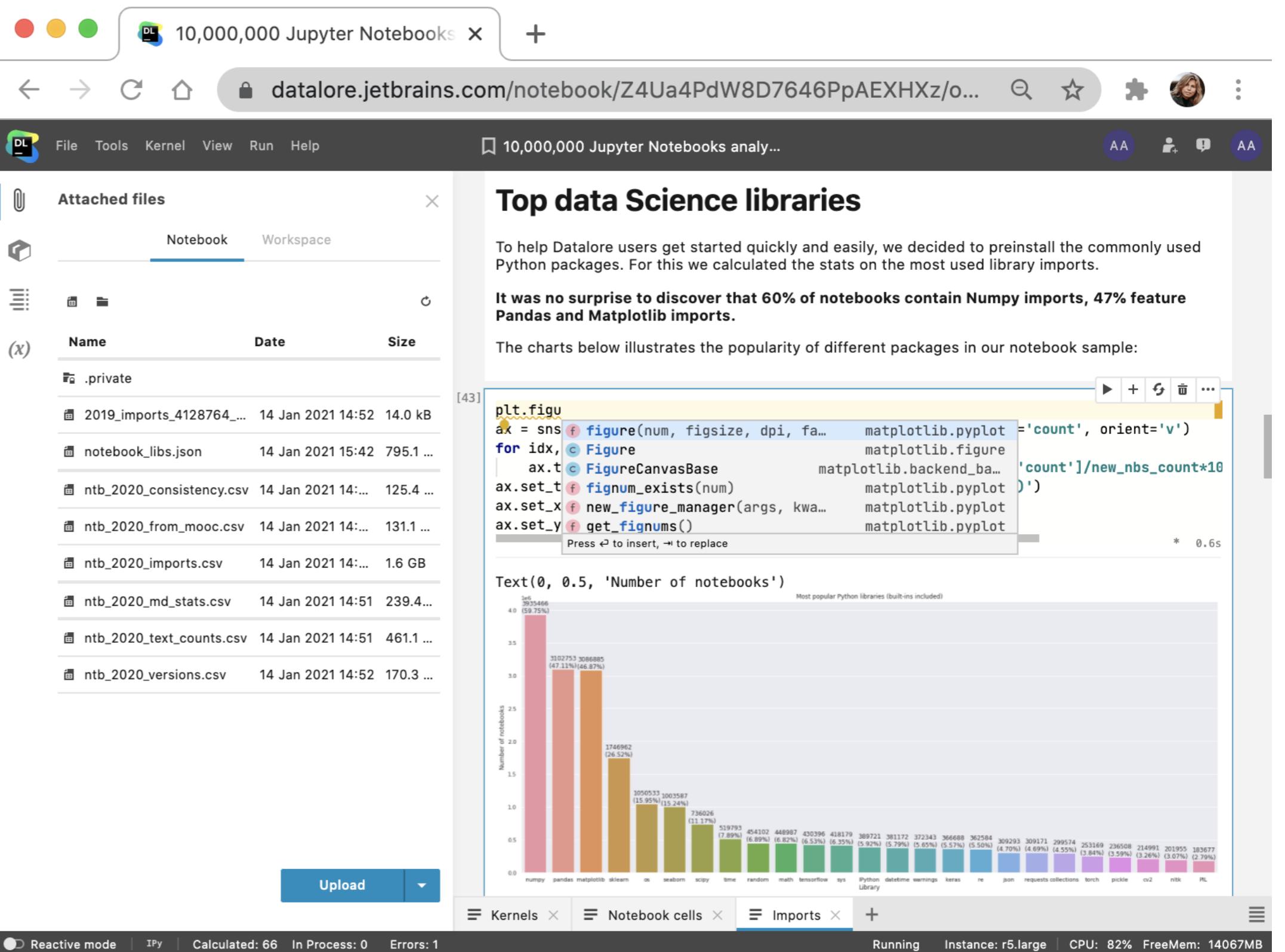
A screenshot of the Upsource application interface. At the top, there's a navigation bar with the Upsource logo, the path 'retrofit > Reviews > RTRFT-CR-14: IDE integration', and various icons for search, settings, help, and user profile. Below the header, a main panel displays a code review for 'RTRFT-CR-14 IDE integration demo'. It shows two revisions: 'ef0f1a5' and 'f23fd8a', with a 'Hide all' button. Below the revisions are buttons for 'Accept', 'Raise concern', 'Close review', and 'Remove review'. To the right of these buttons is a 'Due date: Not specified' field and a 'Open in IDE' button. The main content area has tabs for 'Overview' and 'Revisions +', with 'Revisions +' currently selected. It shows three user icons. Below this is a 'Labels' section with a gear icon. The 'Review summary' section is expanded, showing 'Changed files (4)'. Under 'retrofit/src', it lists 'Converter.java' (+5 -11), 'ParameterHandler.java' (1/1 +5 -4), 'ServiceMethod.java' (+1 -1), and 'RequestBuilder...' (1/1 +373 -148). The 'Code ownership' section is partially visible. To the right, a 'Review summary' sidebar shows comments from 'Ivan Ivanov' and 'Maria Khalusova' with their respective avatars and timestamps. A large input field at the bottom is labeled 'Leave a comment. Attach images by dragging & dropping or pasting from the clipboard.' The overall interface is clean and modern, with a light gray background and blue highlights for interactive elements.

DL Datalore

A powerful online environment for Jupyter notebooks

Datalore is perfect for data analysis and data science in the cloud. Enjoy smart coding assistance from the PyCharm IDE, run Python and Kotlin code on powerful CPUs and GPUs, create interactive visualizations, and collaborate with your team in real time.

Learn more at
jetbrains.com/datalore





The YouTrack, TeamCity, and Upsource connector

Hub is a user & permission management tool, serving as a single entry point for YouTrack, TeamCity, and Upsource. It enables advanced integration and provides a Dashboard to display the relevant information across these team tools.

Hub is a free tool, which is also distributed with other JetBrains team tools.

Learn more at
jetbrains.com/hub

The screenshot shows the Hub Dashboard, which is a YouTrack dashboard. It features several widgets:

- Issues by Subsystem**: A bar chart showing the distribution of issues by subsystem. The top subsystems are You... (9%), Jet... (8%), Mar... (8%), Inte... (8%), .NE... (7%), Rub... (6%), Loc... (6%), Con... (5%), Em... (5%), Spa... (5%), Kotl... (4%), Php... (4%), Jet... (3%), Tea... (3%), and Inte... (2%).
- Upsource: Commits for...**: A list of recent commits from the Upsource repository. The commits include:
 - Web-tests: reduce thread co... (Jan 15, 20:58)
 - do check mute for every even... (Jan 15, 20:57)
 - Merge branch 'develop' into f... (Jan 15, 20:33)
 - fixed test - saving of thread a... (Jan 15, 20:31)
 - introduced systemTimeService... (Jan 15, 20:16)
 - finally did it
- Status: Hub :: develop²**: A list of build statuses for the 'develop' branch of the Hub project. The builds include:
 - Build Back-End + Front-End (Success 5m:42s)
 - Build Distributives (Success 13m:48s)
 - Build Docker Image (Success 7m:30s)
 - Build Front-End (Tests passed: 563, ignored: 8 10m:11s)
- #(YouTrack) #Unresolv...**: A list of unresolved YouTrack issues. The issues include:
 - JT-6234 Integration YouTrack with Visual studio, especially with VSTS work items
 - JT-33026 Searching for all subtree-issues of a specific issue
 - JT-5510 Have option to have more columns in the one-line & tree view
 - JT-25147 Support Story Points Based Estimation/Velocity/Capacity
- To-do for today**: A list of tasks for the day:
 - [] Meeting with Alex
 - [] workflow suggestion for CY project
 - [] Hub Projects demo follow up
- To be rescheduled for the next week:** A list of tasks to be rescheduled:
 - [] Leo's document
 - [] feedback form
 - [] travel plan updates
- Board YouTrack Marketing: Current sprint (D...)**: A bar chart showing the status of tasks in the current sprint. The categories are Open, Sub..., In progress, In Review, ..., and Implemented. The Implemented category is the largest.

Languages & Frameworks





Server

Kotlin / JVM

Kotlin is a concise, safe, interoperable, and tool-friendly language.

Targeting different platforms:
Server, Android™, Browser, Native.
Allowing the business logic code
to be shared across them.

Learn more at
kotlinlang.org

iOS

Kotlin / Native

Android

Kotlin / JVM



Kotlin
multiplatform
shared code

Browser

Kotlin / JS



Usage

5.4M+ developers from all over the world worked on Kotlin code in 2020, compared with 4.8M+ in 2019.

Android

- Since 2019, Android has been Kotlin-first.
- 70% of the top 1000 apps use Kotlin.

Server

- 1 in 2 Kotlin developers uses it for server-side.

Client

- 1 in 4 Kotlin developers is planning to try Kotlin/JS in their projects.

Multiplatform

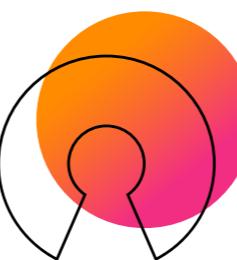
- 1 in 2 of our users has already released a multiplatform application or is about to release one in the near future.

You can find more Kotlin stats in the [Kotlin Census 2020](#).



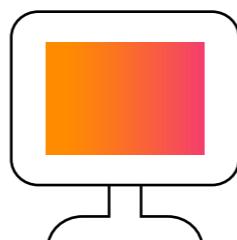
Community

- 450+ contributors.
- 35K+ Slack community members.
- 100K+ Twitter followers.
- 43K+ Reddit page members.
- 200+ user groups.
- 100+ top universities teach Kotlin.



Open-Source

140K+ Kotlin GitHub repositories.



Try Kotlin

Books, Kotlin Playground, education tools, online courses.

Learn more about Kotlin at [kotlinlang.org](#)



Ktor is an asynchronous framework for creating microservices, web applications, and more. It's fun, free, and open source.

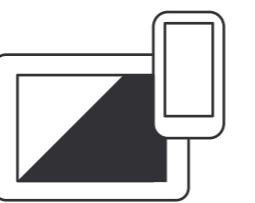
Ktor is a multiplatform framework built from the ground up using Kotlin and coroutines, and it can be used to create connected applications. Whether you're creating websites, HTTP backends, RESTful systems, or even socket applications, Ktor provides you with everything you need.

Learn more at
ktor.io



Lightweight

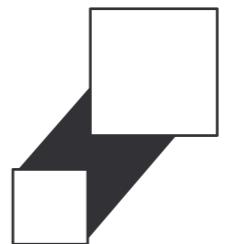
Use what you need. Ktor allows you to transparently configure only the functionality your project requires. No magic involved!



Extensible

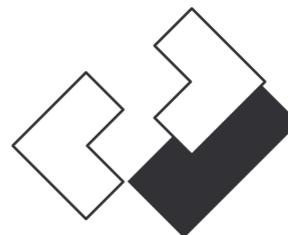
Extend what you need. With a configurable pipeline, you can create the extensions you need and place them anywhere you want.

Simple and fun



Multiplatform

Run it where you need it. Built from the ground up with [Kotlin Multiplatform](#) technology, you can deploy Ktor applications anywhere.



Asynchronous

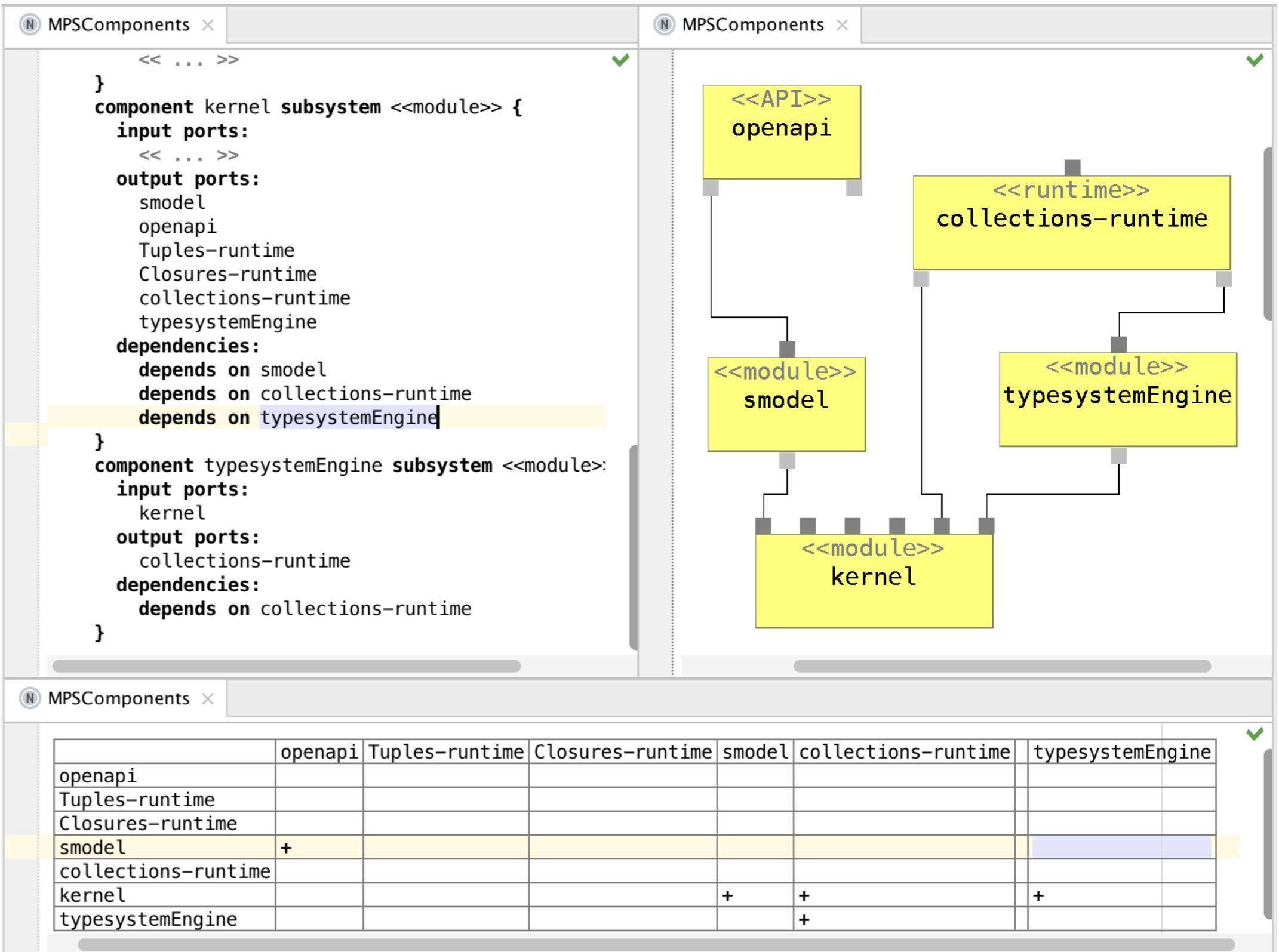
Scales as you need it. Using Kotlin [coroutines](#), Ktor is truly asynchronous and highly scalable. Use the power of non-blocking development without the callback nightmare.



Create your own domain-specific language

Escape from the limits of textual notation and use our unique technology of projectional editing to create diagrams, forms, and use math notation. Express your domain processes and knowledge in a language that directly uses the concepts and logic from your field.

Learn more at
jetbrains.com/mps



Educational Products

Whether you're learning programming or teaching it, we have professional tools to help.

JetBrains Academy, a project-based learning platform, and our Educational IDEs combine interactive learning with powerful, professional development tools. They also help educators create their own courses and impart their knowledge with code practicing tasks and integrated tests.





Learn programming by creating working applications

Go beyond lectures — learn by developing. Choose a project and work through a curriculum that contains all the concepts necessary to build it. Challenge yourself to integrate everything that you've learned into your applications. Explore new topics and projects that become available to you as you improve. Master professional tools and become an accomplished developer. And enjoy the platform's full integration with JetBrains IDEs while working on your projects.

Learn more at
jetbrains.com/academy

A screenshot of the JetBrains Academy web application. At the top, there's a navigation bar with icons for 'Study plan', 'Map', 'Tracks', a search bar 'Find topic', and user stats ('200', a bell icon, and 'AM').

Study plan for Java Developer

Current project: Simple Chatty Bot. Stages completed: 1 / 5. You'll complete the current stage in 3 minutes, the project in 5 hours.

Activities History About

Stage 2/5: Print your name
Introduce yourself to the bot.

- Types and variables (Completed)
- Comments (Completed)
- Naming variables (Completed)
- Scanning the input (Completed)

</> Work on project. Stage 2/5: Print your name (3 minutes, + 15) Continue

Problem of the day
Solve a random problem using the topics you already know to practice what you've learned.

Solve problem 1 minute
+ 5-10

Next problem in 9h 20m 22s

Java Developer
Topics completed: 26 / 408 (6%)
You'll complete the track in: 114 hours.
Activities left: 390.

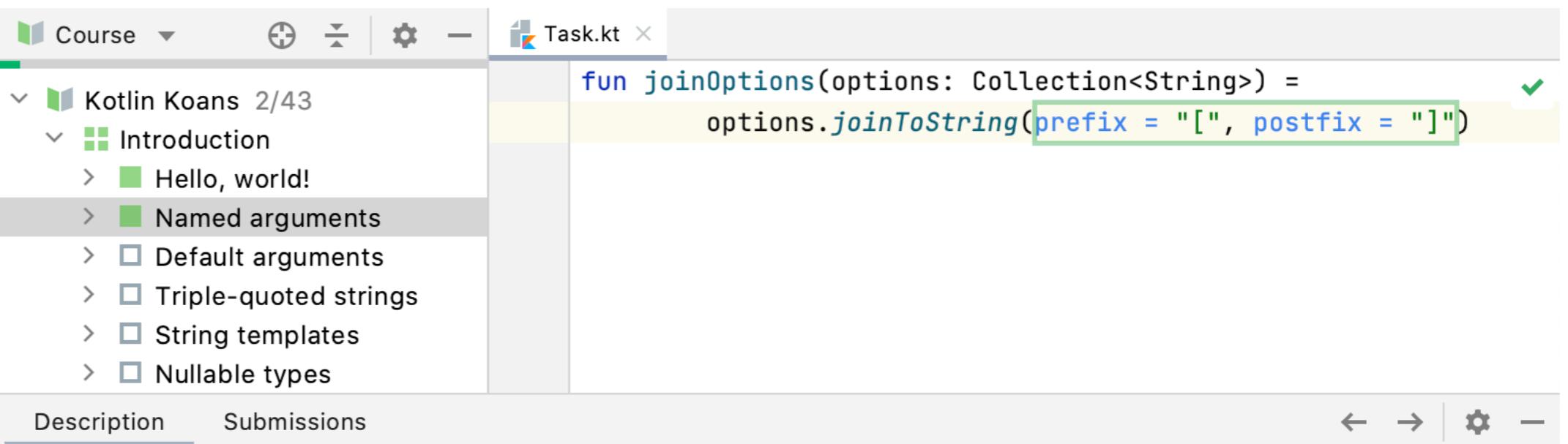
Educational IDEs

The Educational IDEs are free to use and support Kotlin, Java, Python, JavaScript, Rust, C/C++, Scala, and Go.

As a learner, you can work on the JetBrains Academy project, join a public programming course created with a focus on programming code task, or enroll in a custom course prepared for you by your teacher or co-worker.

As an educator, you can impart your knowledge with code exercises that incorporate the assistance of integrated tests and hints, and you can share your courses publicly or privately with your students or coworkers.

Learn more at
jetbrains.com/edu-products



The screenshot shows the JetBrains Educational IDE interface. On the left, a sidebar titled "Course" lists "Kotlin Koans" with 2/43 completed, and several sub-sections like "Introduction", "Hello, world!", "Named arguments" (which is selected), "Default arguments", "Triple-quoted strings", "String templates", and "Nullable types". Below the sidebar are tabs for "Description" and "Submissions". The main area contains a code editor with the following code:

```
fun joinOptions(options: Collection<String>) =  
    options.joinToString(prefix = "[", postfix = "]")
```

Below the code, there is a description of the task: "Make the function `joinOptions()` return the list in a JSON format (e.g., `["a, b, c"]`) by specifying only two arguments." It also notes that "Default and named" arguments help to minimize overloads and improve readability, and that the library function `joinToString` is declared with default values for parameters. A snippet of the `joinToString` function signature is shown:

```
fun joinToString(  
    separator: String = ", ",  
    prefix: String = "",  
    postfix: String = "",  
    /* ... */  
): String
```

At the bottom of the interface, there are buttons for "Check" (highlighted in blue) and "Next", and a message indicating the answer was "Correct" 2 minutes ago. There are also "Congratulations!" and "Peek Solution..." buttons.

Thank you
