

PLURALSIGHT

Learn-to-Code Java



Welcome!



Topher Carter

Senior Instructor, Pluralsight



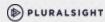


HELLO my name is

Topher C (he/him)

About Me:

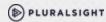
- Lives in Pittsburgh, PA
- From the Carolinas
- Has programming for over a decade, now teaching over
 19 different languages and skills
- Loves to hike with his dogs
- Has an affinity for live music



Prerequisites

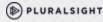
This course assumes you:

Are excited to learn!



Why study this subject?

- Java is one of the most widely used programming languages
- Learning one language helps you learn others
- Java is platform independent



We teach technology:

SOFTWARE DEVELOPMENT

• Java

- Frontend web development
- Backend web development
- Mobile development
- Software testing • Software architecture
- Version control
 - - Swift
- Python
- Kotlin TypeScript

Ruby

- PHP Go

PRODUCT + PROJECT MANAGEMENT

JavaScript

• C#, C++

- Tech Leadership skills
- Scrum
- Stakeholder
- Business analysis
- management
- User experience
- design · Project estimation
- Product strategy
- · Quality management
- · Project requirements
- JIRA

- Project management Product Management
 - - Product owner
 - PMP prep
 - Risk Management
 - Agile and scrum

· Change management

· Agile Development

- certifications

CLOUD

- Amazon Web Services
- Microsoft Azure
- · Google Goud Platform
- Multi-cloud
- Cloud literacy
- Certifications
- · Cloud transformation
- Cloud management and monitoring
- Cloud security
- Serverless workloads
- · Big data/ML/Al in the cloud
- Cloud identity access management

- · Cloud cost control and
- optimization DevOps in the cloud
- · Cloud compute and
- containerization Cloud network management and configuration

Over 400+

Expert led, hands-on learning experiences that can be tailored to your company, tech stack, audience & objectives.

GENERATIVE AI

- Generative AI
- Languages and Libraries
- · Chat Bots

- Speech Recognition
- Image Recognition
- Sentence Classification

SECURITY

- Certification prep (CompTIA)
- · Security literacy and fundamentals
- Security architecture and engineering
- Security development

- Security operations
- Security testing
- · Governance, compliance, and risk
- Secure Coding
- Cybersecurity
- · Information Security

IT OPS

- IT fundamentals and practices
- Identity management
- Configuration management
- Containers
- DevOps
- Endpoint management
- IT automation

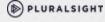
- Management and monitoring
- Messaging and collaboration
- Mobile device management
- Network infrastructure
- Operative systems and stacks
- Server infrastructure

- Storage
- Virtualization
- Container orchestration
- Desktop administration
- Certifications
- ITIL

DATA

- Data analytics
- Data engineering
- Data management
- Data science

- Data literacy
- · Machine learning
- Al
- NIP

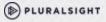


My pledge to you:

I will..

- Make this course interactive
- Ask you questions
- Ensure everyone can speak
- Create an inclusive learning environment
- Use an on-screen timer for breaks

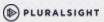
...also, if you have an accessibility need, please let me know!



Objectives

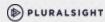
At the end of this course, you will be able to:

- Describe what Java is and what problem it solves
- Comprehend and work with Java applications
- Learn modern Java syntax and take advantage of the latest features



Agenda

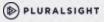
- Review programming, 1000 foot view
- Practice critical thinking skills
- Git version control system and Github
- Working with IntelliJ IDE
- Introduction to Java



How we're going to work together

You'll have a copy of all the course materials

- You'll be following along and...
 - doing coding exercises/labs as well





Student Instructions

HELLO my name is

Your name?
And preferred
pronouns?

- Job title?
- Where are you based?
- What is your related experience, if any?
- Fun fact?



Let's get started!

