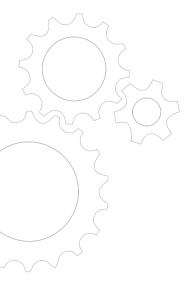




INTRODUCTION



Everywhere you look these days, you see articles, blog posts, infographics, and tweets about how in-demand developers are—and how much money they make. . . and about how fascinating their jobs are. . . and about all the innovative products they create.

And you probably want in on the action—who could blame you?

But, when you stop and think about it, what EXACTLY does a developer even do? And how would you go about landing a job as a developer? What skills would you need?

If you're looking to get started in the tech industry, this checklist will set you straight on how to get started as a junior developer, with insider information and practical tips for landing your first job as a developer.

IN THIS GUIDE, YOU'RE GOING TO LEARN:

☐ The responsibilities of a junior developer	
☐ The role of a junior developer on a tech tea	m
☐ The titles of junior developer jobs you can	look for
☐ The skills you need to become a junior dev	eloper
☐ What you can create with junior develope	rskills
☐ The real-life jobs you can get as a junior de	veloper

WHAT IS A junior DEVELOPER?



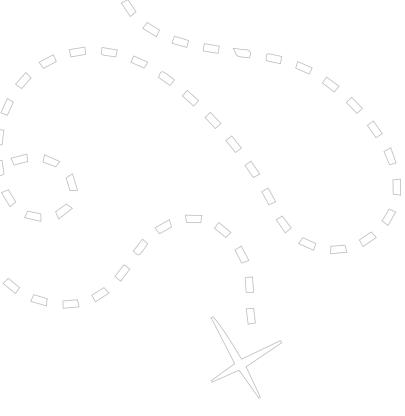


THE BASICS



Often (and in this guide), "junior" is used interchangeably with "entry-level." It means that you are starting with fresh skills that you've honed independently and on smaller projects, but you probably don't have much experience working on a development team...yet!





THE ROLE OF A junior DEVELOPER

Constantly grow your knowledge and skills
Proactively learn about tools, processes, and products
Diligently follow coding standards
Always look for ways to help the team
Happily take on any tasks that need to be done
Openly communicate with all team members and departments
Willingly accept feedback and improve as needed
Consistently meet goals and deadlines
Actively contribute suggestions and ideas

RESPONSIBILITIES OF A junior DEVELOPER

Write and mark up code
Debug and refactor code
Create and run tests
Implement new features and improve current features
Participate in and support deployments
Write and maintain documentation
Take part in planning and development meetings and projects
Collaborate with other teams and departments on issues, requests, and support







NAMES & TITLES

As a junior developer, you could have a variety of different titles depending on the size of the company you work for, the specific role you're playing there, and the actual level of work you'll be doing. For example, a Code Tester or QA Tester still needs junior development skills—even though that's not apparent in the job title.

To get the low-down on all the positions you could take as a junior web developer, check out this list and remember these titles when it comes time for the job hunt.

☐ Junior/Entry-Level Developer	☐ Rails developer
☐ Junior/Entry-Level Programmer	☐ WordPress / PHP Developer
☐ Junior/Entry-Level Coder	☐ Software Developer
□ Developer	☐ Mobile Developer
□ Developer Trainee	☐ Application / App developer
☐ Web Developer	☐ QA Tester
☐ Front-End Developer	☐ QA Engineer
☐ JavaScript developer	☐ Code Tester
☐ Ruby developer	☐ Tech Support Engineer



THESE ARE THE EXACT SKILLS YOU NEED TO KNOW TO GET A JUNIOR DEVELOPER JOB:

HTML	
CSS	
GIT/GITHUB	
JAVASCRIPT/JQUERY	
PROJECT MANAGEMENT TOOLS	





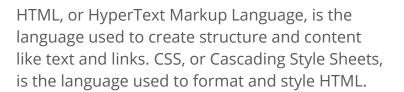








HTML & CSS



WHAT CAN YOU BUILD WITH IT

Web pages

Websites

Apps

Games











Git is a version control system for keeping track of changes to code and documentation (Think: Track Changes in Microsoft Word), and GitHub is a web-based tool for using Git.

Both Git and GitHub are crucial skills for working on a tech team.

WHAT CAN YOU BUILD WITH IT

Store code and documentation

Copy and contribute code and documentation

Track changes to code and documentation

Collaborate with other developers







JAVASCRIPT AND JQUERY

JavaScript is a programming language used to make web pages interactive, and jQuery is a popular JavaScript library that makes it possible to achieve JavaScript effects using less code.

And these days, JS frameworks—systems for building websites that make use of JavaScript and jQuery—are in high demand.

WHAT CAN YOU BUILD WITH IT

Forms

Menus

Dialogues

Interactive elements on a webpage

Dynamic web pages

Web / mobile / desktop apps

Games

UI effects

Widgets

Interactions

Responsive layouts

Custom plugins





PROJECT MANAGEMENT TOOLS

Project management tools are software or applications used by teams to coordinate tasks and schedules. Popular systems include Asana, JIRA, and Basecamp.

WHAT CAN YOU DO WITH IT

Keep track of issues to be handled

Assign tasks and monitor progress

Plan and monitor schedules



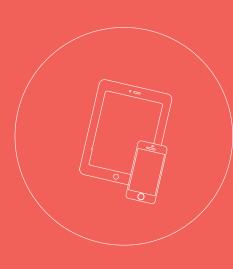
SPECIAL SKILLS

Once you have the basics down, you can start getting more specialized skills for specific jobs.

SASS/LESS
MOBILE DEVELOPMENT
FRONTEND & JAVASCRIPT FRAMEWORKS
WORDPRESS/PHP
RUBY ON RAILS
PYTHON/DJANGO
DATABASE MANAGEMENT (USING SQL AND NOSQL)
AUTOMATED TESTING (TDD,BDD)
AGILE WORKFLOW (SCRUM)











CSS PREPROCESSORS

WHAT IT IS

CSS Preprocessors like Sass and LESS are extensions of the CSS language that make CSS cleaner and easier to maintain.

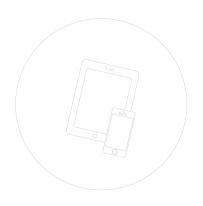
WHAT CAN YOU BUILD WITH IT

More organized, logical, and efficient stylesheets





MOBILE DEVELOPMENT



Mobile development draws on CSS and JavaScript to build websites that are optimized for a variety of devices, like smartphones, tablets, and laptops. You'll also need to learn best practices for these optimizations, not just the coding languages.

WHAT CAN YOU BUILD WITH IT

Websites and applications that transition seamlessly from device to device.





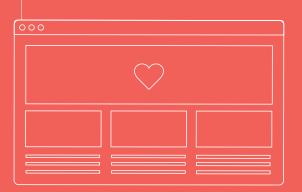


FRONT-END & JAVASCRIPT FRAMEWORKS

A framework is a collection of code libraries that make developing websites and applications faster and easier and code more consistent and compatible. Bootstrap is a popular front-end framework, and popular JavaScript frameworks include AngularJS, Backbone.js, and Node.js.

WHAT CAN YOU BUILD WITH IT

With these frameworks, you can quickly create design templates and responsive layouts or single-page applications.







WORDPRESS/PHP

WordPress is a Content Management System (CMS), and PHP, is the scripting language used for WordPress.

Wordpress powers around 50 percent of the web (so if you want to add some freelance work to your junior dev job, knowing how to program Wordpress sites is key.

WHAT CAN YOU DO WITH IT

Create, customize, and manage content-based websites.







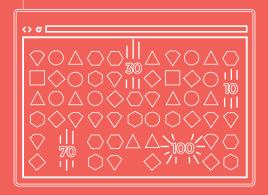
RUBY ON RAILS

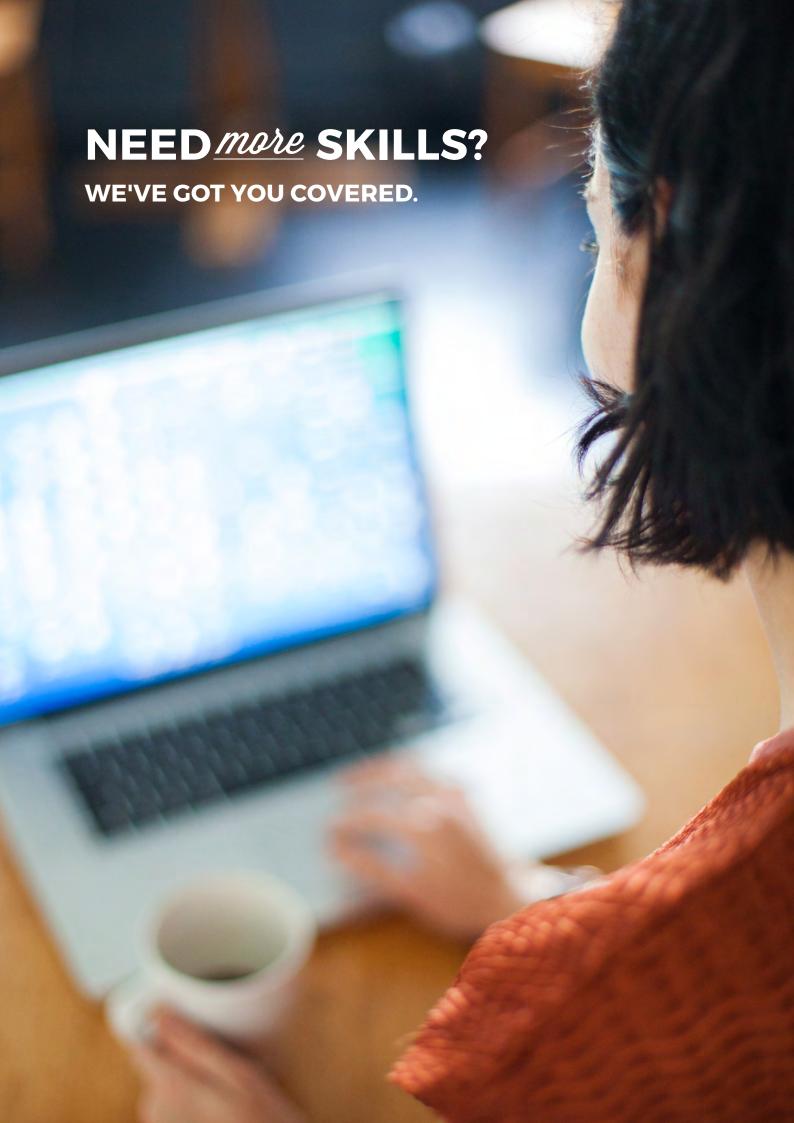
WHAT IT IS

Ruby on Rails, or Rails, is a web application framework designed to work with the Ruby programming language.

WHAT CAN YOU DO WITH IT

Build mobile and web applications







LEARN TO CODE WITH US. MAKE MONEY WHILE YOU DO IT.

Are you pumped about working in tech but not sure where you'll fit in? Worried you might not have what it takes? Do you know you want to take advantage of the flexible work schedules and high salaries that are common in the tech industry but have NO IDEA where to start?

Start here: The Skillcrush Break Into Tech Blueprint.

You'll gain the confidence and marketable skills you need to start earning money within 3 months, find fulfilling and flexible work within 9–12 months, and level up your career for *good*. And with 1-on-1 support from your first line of code to the last line of your cover letter, we'll be with you every step of the way.

LEARN TO CODE

Get hired. Make more money. It's that simple!

ENROLL NOW!

JUST SOME OF THE CAREERS YOU CAN PURSUE WITH OUR BREAK INTO TECH BLUEPRINT:







LEARN MORE ABOUT THE BREAK INTO TECH BLUEPRINT HERE

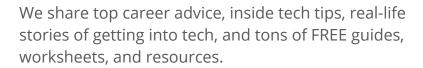






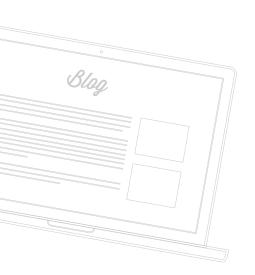
Find more on our blog

If you found this resource (and the ones listed here) helpful, there's even more to discover on the Skillcrush blog.



Sign up for our newsletter now so you won't miss a post. Each week, we send you researched, detailed, easy-to-read articles to help you harness the power of tech and get the career you deserve.

Join thousands of happy readers! Here's what a few of them have to say:



"I read a blog post every day and learn something new. The resources you give us are priceless!"

SARA EVANS

"I have been on your mailing list now for 8 months and in that time alone I saw the platform grow so much. Seriously, in the online education space you guys have some of the best content marketing. (Some online learning platforms neglect it entirely, while others only post articles about latest updates or course offerings, which is a bore.) Skillcrush actually generates valuable content for readers."

LAURENCE BRADFORD

"The 99 Tech Terms You Need to Know When You're New to Tech has been a big help! I love materials that cover the basics."

APRIL HARRIS

"Skillcrush, Thank you for offering such a great newsletter to your subscribers. The content that you send out is always helpful and something that I can refer back to as I improve my coding skills. I especially love your PDF quicksource guides."

JUBILEE GRACE

"Your email newsletters, videos and articles are so inspiring, I really look forward to them and I love your attitude, all of you, and the great images. You make me feel included in a world where it seems everyone is an expert, and I wanted to say thanks."

ATTY CRONIN

"I love your blog posts! They always end up being my lunchtime reads at work!"

CAROLINE KIM



WHAT are YOU WAITING FOR?

Sign up to our newsletter now so you won't miss a post.

SIGN UP NOW





THANKS FOR JOINING US.

Feel free to email us with any questions at hello@skillcrush.com