

# SOFTWARE DEVELOPER

Our Software Developer curriculum prepares our graduates to excel in a high-demand field of technology as a Full-Stack Web Developer. You will graduate our program in 24 to 33 weeks knowing sought-after skills in all areas of web application architecture and computer science principles using modern tools and the latest technologies available.

## IN THE CLASSROOM

### WHAT YOU'LL LEARN IN THE PROGRAM

- Create a fully functioning web application including API's and web services along with modern front-ends for desktop and mobile
- Work in a collaborative environment, typical in an Agile software development team
- Practical skills and work habits to start a successful high-tech career
- Earn up to 13 nanocredentials to prove your proficiencies in software development

## AFTER GRADUATION

### WHAT YOU'LL GET AS A WOZ U GRAD

- A certificate of completion and skills necessary to launch a career as a full-stack web developer
- Comprehensive career services including building a résumé, interview training, and help identifying relevant positions in related fields
- Access to create a virtual profile on our exclusive digital employment networking platform, Woz U Connect
- Ongoing access to Woz U Software Developer curriculum through our Coder For Life program

**RELATED JOB TITLES:** Software Engineer, Computer Programmer, Web Application Developer, Web Developer, Software Developer

## THE WOZ U EDGE

### NANOCREDENTIALS

These credentials are essential and have been identified by our employer partners as key skills necessary to be successful. Our Employer Advisory Board meets twice a year to notify us of changes in their industry and where to update our curriculum.

### CAREER SERVICES

Our Career Services Department have a list of employer partners who know and love Woz U grads. We've also built an exclusive platform called Woz U Connect for students and graduates to connect directly with employers, create interactive video profiles, and apply for jobs.

### IN YOUR CORNER

Even within our virtual courses, our staff is dedicated to our students, their success and helping them land the job they're truly passionate about. Our faculty are always available to help you through those hard courses and exams.

# SOFTWARE DEVELOPMENT PROGRAM

Students will have a choice of one of four Developer Tracks: JavaScript, .NET, Ruby or Java.

## CLASS CONCEPTS

## MAIN AREAS OF STUDY

Coding From Scratch

Basics of HTML, CSS, JavaScript and Source Control

Front-End Foundations

Advanced concepts of CSS and JavaScript

Programming Foundations

Basic programming concepts with choice of JavaScript, C#, Ruby or Java

Front-End Frameworks

Front-end frameworks and Single Page Web Applications (SPA) with AngularJS or ReactJS

Back-End Foundations

Concepts of server-side software development, relational and non-relational databases, web servers, and software platforms in Express, ASP.NET, Ruby on Rails, or Spring

Database Foundations

Database concepts, theory, and an overview of various implementations and architectures

Mobile Apps & Responsive Design

Mobile applications (iOS/Android), Angular and Cordova, and Responsive Design

Agile Project Management & Career Skills

Principles of managing software projects and teams, interview techniques, and career search skills

Deployment & Web Security

Building and deploying applications to cloud hosting providers and key concepts of web security

Project Capstone

Develop a full-stack application as an Agile Project Team

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