



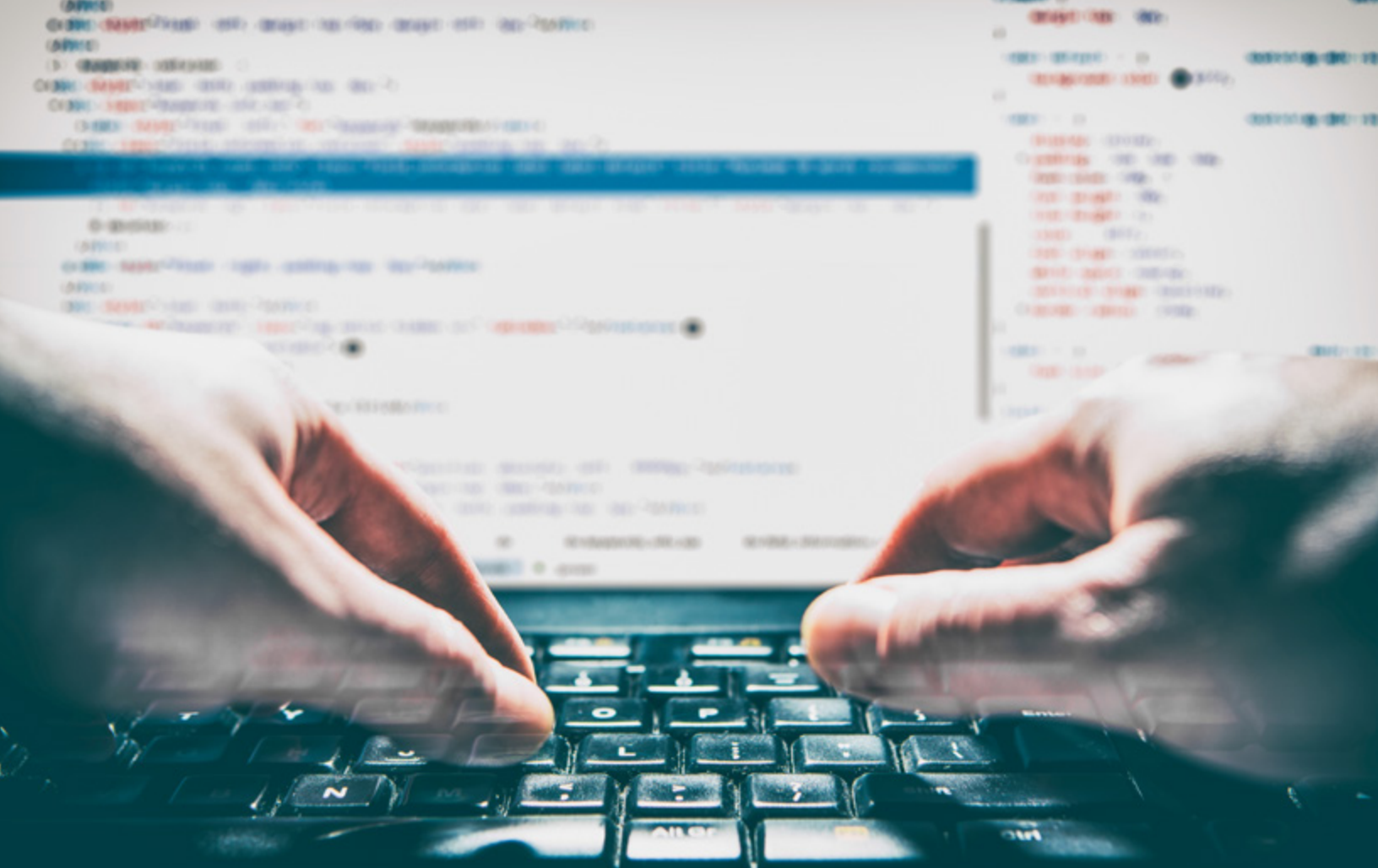
simplilearn

Full Stack MEAN Developer

Master's Program

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About the Course

This Full Stack MEAN Developer program provides complete knowledge of software development and testing technologies such as JavaScript, Node.js, Angular, Docker, and Protractor. You'll build an end-to-end application, test and deploy code, and store data using MongoDB.



About Software Development Industry

The global software engineering market is expected to grow to approximately USD \$37.4 billion by 2022, at a CAGR of nearly 12 percent. Corporate initiatives focused on digital transformation will help drive demand for skilled software developers, which is reflected in current hiring trends and future projections. According to NASSCOM and USA Today, one million software development jobs will be added to the workforce by 2020 in India and 1.4 million jobs in the United States.

Many companies prefer to hire multi-skilled technology professionals such as automation test engineers. The average annual salary for an automation test engineer is USD \$94,270 (ZipRecruiter).

Additional facts about the state of the software development industry:

- ✔ Junior developers are getting massive starting salaries compared to those of the last 20 years
- ✔ Upskilling is one of the most important priorities for developers today (Stackoverflow 2019)
- ✔ The phenomenal rise of consumer applications in both web and mobile is driven by the availability of open-source projects and libraries
- ✔ Smaller, quicker releases—which results in better productivity—are becoming crucial for software product success. Automation engineers are well-positioned to empower this trend.

Key Features



Comprehensive Applied Learning program



120 hours of self-paced learning



Choose from 4 industry-aligned capstone projects



270 hours of in-depth training



20+ in-demand tools and skills



Job-assist program included (India only)



150 hours of instructor-led training



10 lesson-end & 4 phase-end projects

Top Skills and Tools covered

- | | | |
|--------------|---------------|----------------------------|
| ✓ Agile | ✓ Node.js | ✓ GraphQL |
| ✓ Git | ✓ HTTP | ✓ Docker |
| ✓ HTML | ✓ REST API | ✓ Jenkins |
| ✓ CSS | ✓ Express.js | ✓ Grunt |
| ✓ JavaScript | ✓ MongoDB | ✓ ELK Stack 6.0 |
| ✓ BootStrap | ✓ Protractor | ✓ Kubernetes |
| ✓ TypeScript | ✓ Backbone.js | ✓ API testing with Postman |
| ✓ Angular | ✓ AJAX | |

Program Outcomes

By the end of the program, you will be able to accomplish the following:

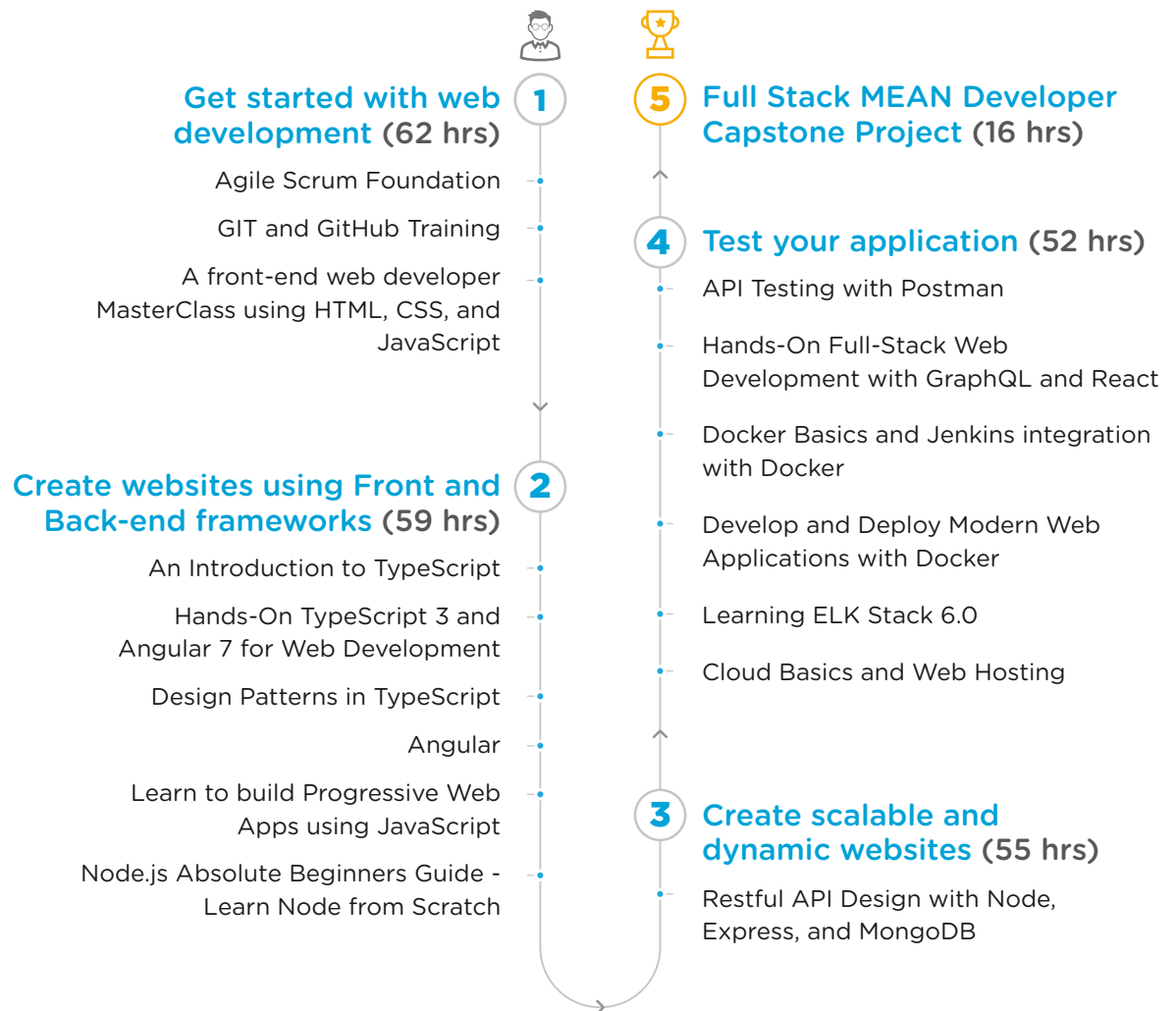
- ✔ Master software programming concepts and implement them in real-life
- ✔ Become an agile practitioner with the ability to quickly complete industry projects
- ✔ Build an end-to-end application from scratch and test it
- ✔ Test and deploy features seamlessly to production with minimal effort
- ✔ Build a running, industry-aligned project from scratch
- ✔ Complete 30+ topic-end, lesson-end, and phase-end projects

Who Should Enroll in this Program?

This MEAN stack program is designed for:

Freshers, software developers, IT professionals, engineers, test engineers, technical consultants, and analysts

Learning Path



Get started with web development

Brush up on your knowledge of software development fundamentals; Agile and Scrum methodologies; HTML, CSS, JavaScript to create dynamic websites; and GIT to manage version control systems.

Course Learning Objectives:

After completing this phase, you will:

- ✔ Understand the basics of agile methodologies and GIT
- ✔ Become familiar with HTML, CSS, and JavaScript fundamentals

Skills and Tools Covered:

- | | | |
|---------|--------|--------------|
| ✔ Agile | ✔ HTML | ✔ JavaScript |
| ✔ Scrum | ✔ CSS | ✔ BootStrap |
| ✔ Git | | |

Create websites using Front and Back-end framework

Familiarize yourself with the front and back-end technologies by implementing knowledge of Angular and Node.js. Use TypeScript to enable IDEs to provide a richer environment for spotting common errors as you type the code

Course Learning Objectives:

After completing this phase you will:

- ✔ Create dynamic websites using Angular and Node.js
- ✔ Evaluate test cases and errors using TypeScript
- ✔ Use Angular to build single-page client-side web applications.
- ✔ Implement Node.js to build fast and scalable server-side networking applications.

Skills and Tools Covered:

- ✔ TypeScript
- ✔ Angular
- ✔ Node.js

STEP

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Create scalable and dynamic websites

Build scalable websites for diverse clients using REST API, Node.js, and Express.js. Store all your data in a highly scalable, flexible, and distributed NoSQL database - MongoDB

Course Learning Objectives:

After completing this phase you will:

- ✓ Create Restful API design with Node, Express, and MongoDB
- ✓ Simplify development and write easy, secure, concrete, and fast applications using Express.js
- ✓ Store large volumes of data and manage them using MongoDB

Skills and Tools Covered:

- ✓ Node.js
- ✓ Express.js
- ✓ MongoDB

STEP

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Test your application

This phase will introduce you to testing and how it fits in the software lifecycle. It will provide you with hands-on training full stack development using GraphQL and React, API testing with Postman, how to deploy in cloud, and host your website.

Course Learning Objectives:

After completing this phase, you will :

- ✓ Implement testing with Jasmine
- ✓ Perform API testing with Postman
- ✓ Deploy test cases in the cloud using DevOps
- ✓ Analyze log data using ELK Stack

Skills and Tools Covered:

- | | | |
|-----------|-----------|--------------|
| ✓ Jasmine | ✓ GraphQL | ✓ ELK Stack |
| ✓ Postman | ✓ Docker | ✓ Kubernetes |

STEP

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Full Stack MEAN Developer Capstone Project



E-commerce

Create a dynamic and responsive Java e-commerce web application using technologies such as Angular, React, MongoDB, and Docker.



Food Delivery

Build a food-delivery app from scratch using your knowledge of the Spring framework, web services, and MongoDB with a strong back end to support operations.



Entertainment

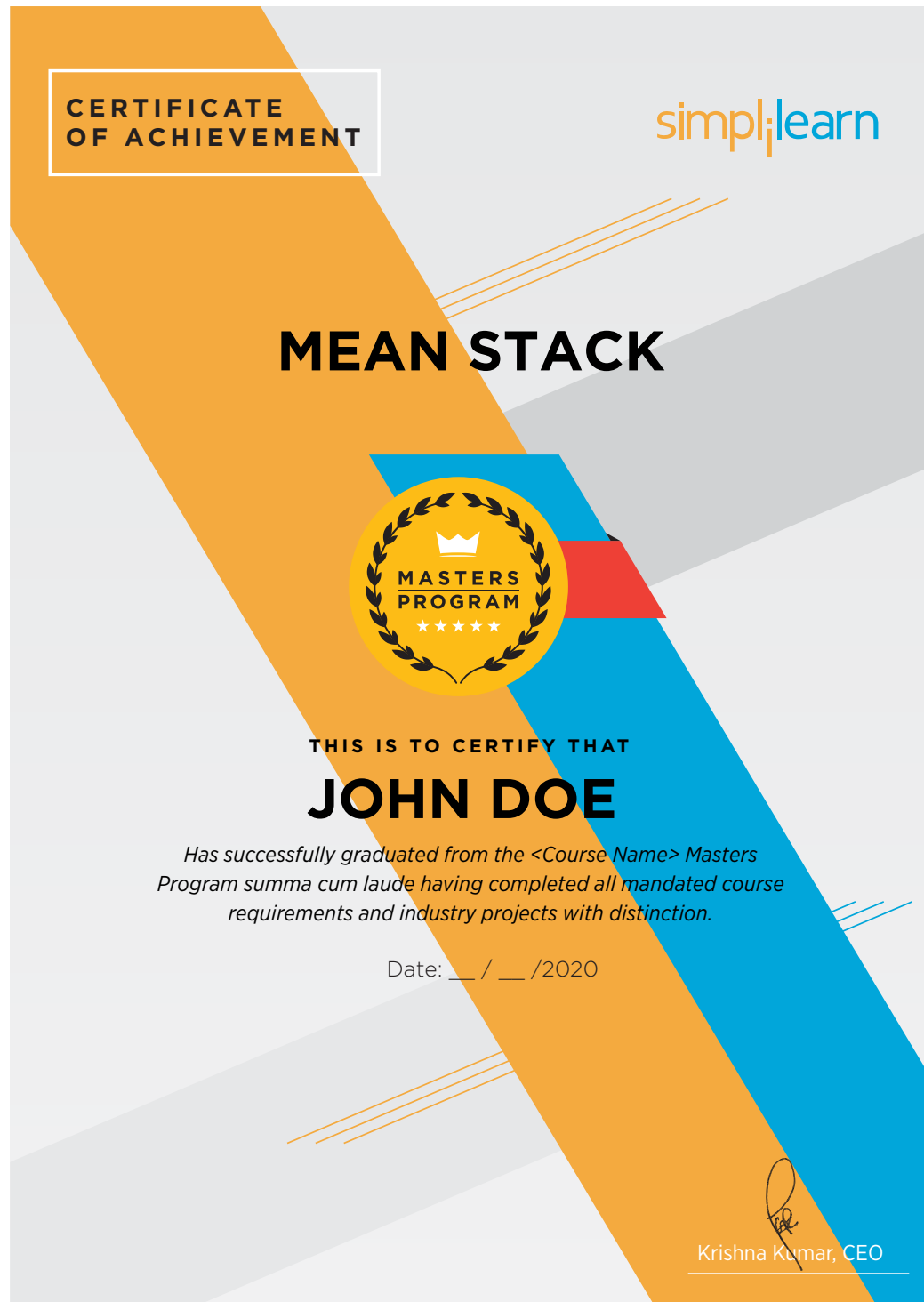
Create an entertainment application like BookMyShow using your back-end knowledge, API development, and HTML and CSS skills.



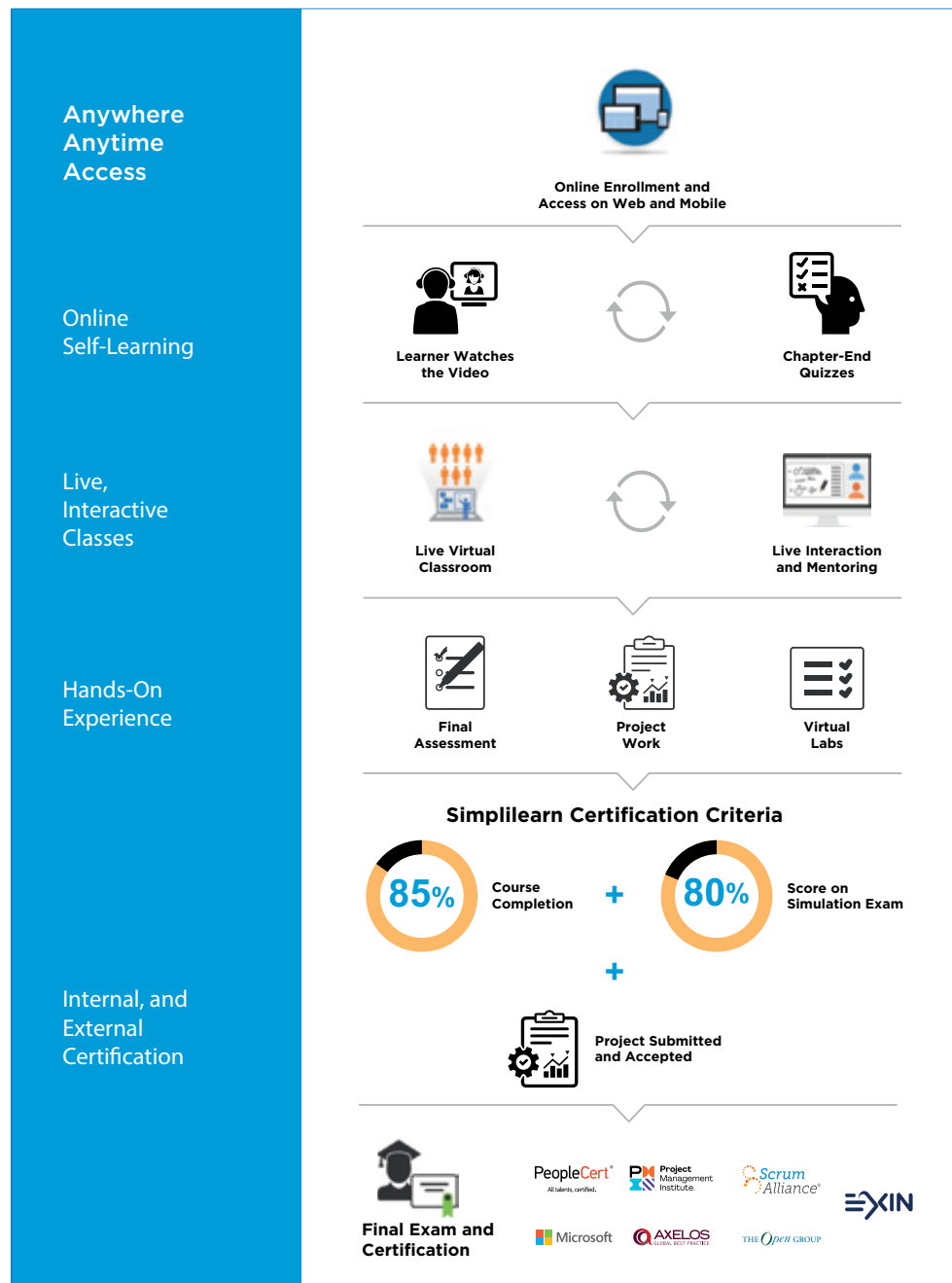
Healthcare

Build a dynamic and effective healthcare app. Create a rich UI for effective diagnosis and health advice with Angular, Javascript, TypeScript, ES6, and many more.

Certificates



Classroom-Level Immersion: Delivered Digitally



Customer Reviews

Raj Kurup

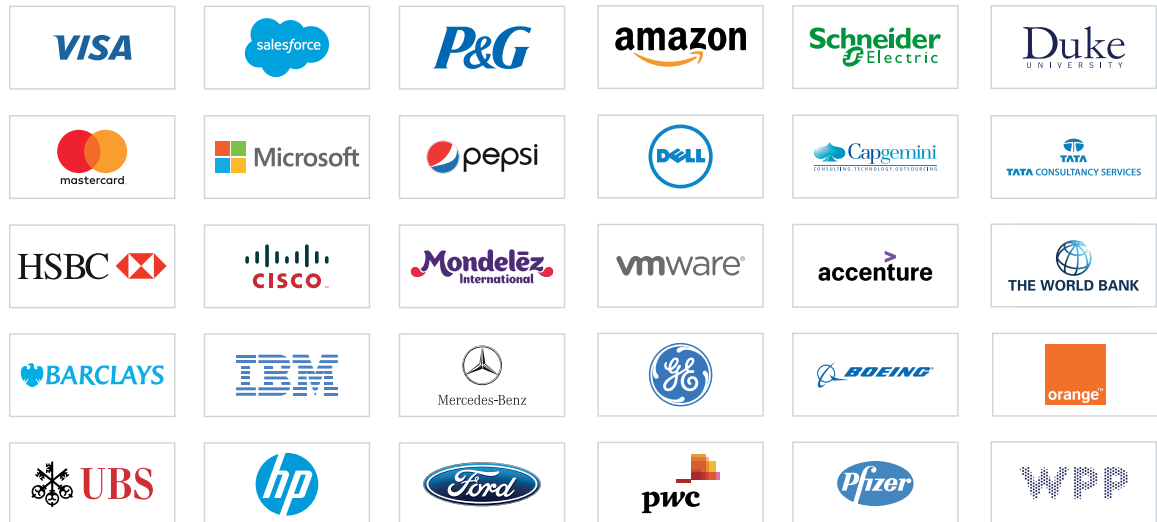
Application Development Senior Director
at **CIGNA**



Simplilearn team is the best. I love the format and logistics of Simplilearn so much that I would chose them for future courses at any cost rather than take anything else. Awesome guys.

Corporate Training

Top clients we work with:



Features of Corporate Training:



Tailored learning solutions



Flexible pricing options



Enterprise-grade learning management system (LMS)



Enterprise dashboards for individuals and teams



24X7 learner assistance and support

About Simplilearn

Simplilearn is the world's #1 online bootcamp provider that enables learners through rigorous and highly specialized training. We focus on emerging technologies and processes that are transforming the digital world, at a fraction of the cost and time as traditional approaches. Over one million professionals and 2000 corporate training organizations have harnessed our award-winning programs to achieve their career and business goals.



INDIA

Simplilearn Solutions Pvt Ltd.

53/1 C, Manoj Arcade, 24th Main,
Harlkunte
2nd Sector, HSR Layout
Bangalore - 560102

Call us at: 1800-212-7688

USA

Simplilearn Americas, Inc.

201 Spear Street, Suite 1100,
San Francisco, CA 94105
United States

Phone No: +1-844-532-7688

www.simplilearn.com