



# DESIGNED TO HELP **YOU** LAUNCH AN INTERNATIONAL **CAREER**

## Microverse Full-Stack Web Development Syllabus

Become a professional software developer. Learn the skills you need to start your international career, from anywhere in the world.

# Full-Stack Web Development

Microverse's full-time, online web development program helps prepare you for a career as a full-stack web developer.

*"I can say that I've doubled my salary after joining Microverse and that really has a significant impact on my life... I have wanted to become a developer ever since graduating in 2016, and I'm grateful to Microverse for helping me to achieve my dream."*

- ABHIGYAN M.

## 10-Months Full-time

Becoming a world-class software developer takes commitment.

*7 months of core curriculum +  
3 months of job searching\**

\* this is the average time expected

## Program Timezones

1. Americas: 8 am - 5:15 pm UTC-6
2. Europe/Africa: 8 am - 5:15 pm UTC+1

## Microverse's Daily Schedule

### Morning

- **8:00 am - 8:30 am:** Call with morning session team
- **8:30 am - 12:00 pm:** Remote collaborative learning session

### Break

- **12:00 pm - 1:00 pm:** Lunch break

### Afternoon

- **1:00 pm - 4:45 pm:** Remote collaborative learning session
- **4:45 pm - 5:00 pm:** Prep for your standup call
- **5:00 pm - 5:15 pm:** Call with standup team
- **5:15 pm - Onwards:** Optional catch-up and homework time

# Microverse Curriculum

Throughout the program, you will work on the below modules, and many professional and technical skills, including:

- Collaboration in group projects
- Git & GitHub and code reviews
- Tests & best practices
- Algorithms & Data Structures



## Modules

### 1: Introduction to Microverse & Remote Collaboration

- Introduction to Microverse and collaboration at Microverse
- HTML forms and responsiveness
- Accessibility and CSS frameworks
- JavaScript and DOM manipulation

### 2: JavaScript & Networking

- Dynamic websites and organizing JavaScript code
- ES6 and Webpack
- Using APIs
- Presenting yourself as a remote professional
- How to build your professional network

### 3: React & Job Application Materials

- React as a front-end framework
- Redux as a state management tool
- Creating your job application materials

### [1 Week Break]

### 4: Ruby, Databases & Interviewing

- Databases
- Introduction to Ruby
- Object-oriented programming
- What to expect in interviews and mock interview practice

### 5: Rails & Preparing to Job Search

- Model-View-Controller architecture
- Database connection
- Authentication and Authorization
- Creating APIs
- What to expect while job searching, including best practices and tools

### 6: Final Capstone Group Project

- Full-Stack web app built as a group project
- Industry professional mock interview

### 7: Full-time Job Searching

- Introduction to full-time job searching
- Work with your career coach and daily standup team
- Continue practicing your skills while networking and applying