



MORINGA

Discover · Grow · Transform



KENYA



Software Engineering

READY • SET • CODE

IN PARTNERSHIP WITH:



FLATIRON SCHOOL



Introduction

Africa's top Tech Bootcamp - Moringa School teams up with America's Top Tech Bootcamp - Flatiron School, to bring you this 20-week Software Engineering Course that puts you on the path to career freedom.

Being a software engineer requires more than knowing how to code or build a web app. During the time spent at Moringa School, students learn to think, and build, like software engineers. This course is curated for those who want to:

- Have in-person meetups with Technical Mentors & other students
- Build and style interactive websites
- Have the requisite skills for a career in Software Engineering

Why Study Software Engineering

1. Practical Hands on Learning

Get job-ready with practical, hands-on learning. You'll learn the in-demand market languages and skills, labs, and real-world portfolio development.

2. Technical Mentorship

Schedule 1:1s with your instructor to work on technical concepts, plan out your pacing or check-in about your program milestones.

3. Learn in Community

You may be learning online, but you're not alone. You can schedule 1:1s with your instructor for added guidance

4. 1:1 Career Coaching and Graduate Support

Receive career coaching and job-hunting support for up to 12 months post graduation

Who Should Study Software Engineering with us

This course is only available to university graduates who can commit to a 5 month long full-time program

Pre-requisites

- Full-time availability: 8.30am to 6pm from Monday to Friday
- Stable internet connection
- Complete a short entry assessment after application to determine the best delivery style for you
- Laptop (core i5 7th Gen and upwards, 4GB RAM, and at least 500GB of storage)

CURRICULUM

Software Engineering (Pre- work)

All students are required to complete an introductory pre-work one week before the start of class. During pre-work, students will get accustomed to our online learning management system (Canvas), set up their computing environment, and familiarise themselves with the basics of the programming languages that will prepare them for day 1 of the program.

Phase 0: Introduction/Prework (2 Weeks) - HTML, CSS, GIT

Phase 1: Front-End Development (3 weeks)

Duration: 5 Weeks | Cost: Ksh 50,000

Learning mode: Hybrid (2 days on campus, 2 days online)

Software Engineering (Immersive)

Our Full Stack Software Engineering Curriculum covers both Back-End and Front-End programming technologies so you can become a full-stack developer. It's a more extensive course of study than the average school offers but our goal is to teach you more than simply knowing how to code

Phase 2: Front-End Web Applications (3 weeks) - REACT

BREAK 1: Soft Skills (1 week)

Phase 3: Back-End Development (3 Weeks)

- Ruby, OOP, Relational Databases, RACK

Phase 4: Back-End Web APIs (3 weeks) - Rails

BREAK 2: Soft-Skills Revision (2 Weeks)

Phase 5: Capstone/Final Project (3 Weeks)

Duration: 15 Weeks | Cost: Ksh 150,000

Learning mode: Hybrid (2 days on campus, 2 days online)

COURSE OVERVIEW

Foundations: HTML, CSS & Git

Students master the basic building blocks of how the web is rendered and become fluent in the language that makes the web beautiful. They additionally learn how to conceive of and build UIs for web apps by writing well-structured HTML and CSS , as well as using SASS to create efficient and organised front-ends.



Foundations: Git

Students begin exploring version control using git commands including with cloning, branching, merging, rolling back commits, forking, and submitting pull requests.

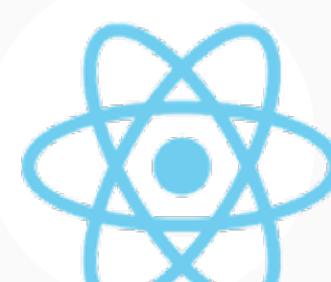
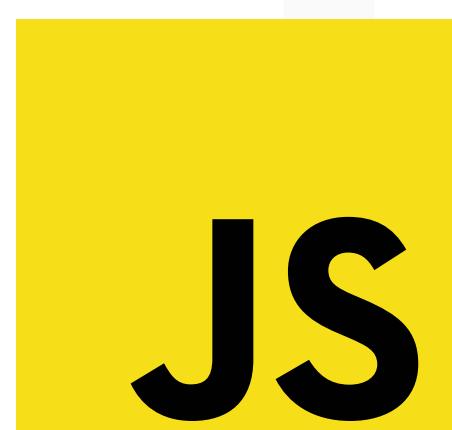


Phase 1: Front End Development

After diving into the fundamentals of programming, students get comfortable with JavaScript basics, interacting with the DOM, and event listeners.

Phase 2: Front-End Web Applications

Students learn React, an object-oriented JavaScript framework, and have the opportunity to pick up key industry skills by building a project that interacts with an API.



React

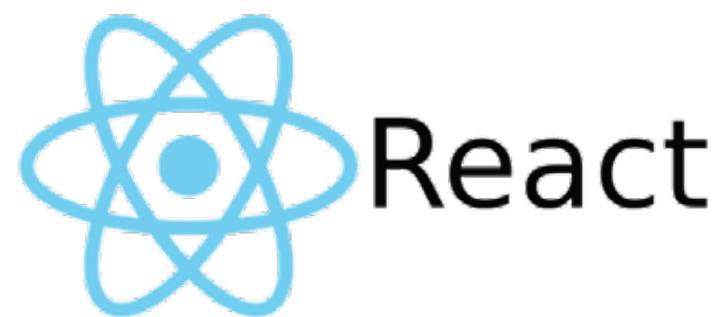
Phase 3: Back-End Development

Students gain a thorough understanding of back-end development basics, using languages such as Ruby, before getting comfortable with object-oriented programming and storing information in databases using SQL and Object Relational Mappers.



Phase 4: Back-End Web APIs

First, students will learn Rails - an object-oriented, Ruby framework, before using it to create their own JSON API along with productive, scalable front-ends with React and Redux, creating slick, functional, reactive code



Phase 5: Cumulative Project

After completing four curriculum phases focused on group projects, students work with instructors to come up with solo project concepts and spend dedicated time building truly sophisticated applications on their own.

Students receive plenty of instructor feedback along the way, while diving deep into various advanced technologies needed to bring their concepts to life.



What our graduates say...



It has been over three years since I first joined Moringa School. Before Moringa School I was a computer science student but then I decided to join a coding boot camp to gain practical skills. Life for me has never been the same since them. I love coding and would definitely encourage more girls to join the program.

Latasha Ndirangu,
Developer at Dotsavvy

I had a very good experience in learning Software Development skills at Moringa. I went through the full stack course. The professional development period was for me the most beneficial time at Moringa as I got exposed to learning how to learn and adapt to new technologies within a short period of time. I got to work as a full-stack engineer in a team of 4 people to build a full-scale data analytics framework solution for automating data management. Because of this project I was able to get a job.

Mbugua Mwaura,
I&M Bank



I did Software Development in moringa school and specialized in Fullstack, the learning experience has made job hunting somehow easy cause now I have the skills required in the market. The skills I've gained have given me courage when walking in to interview rooms, not only the technical skills but also the soft skills, at least now I am confident with the work I'm doing plus they are working with the latest technologies.

Irene Mercy,
Digital Divide Data



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