



MORINGA

Discover · Grow · Transform



SOFTWARE ENGINEERING HYBRID

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 a 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 At Moringa

This course is only available to university graduates who can commit to a 20-week full-time program

Admissions Pre-requisites

- Full-time availability: 8.30 am to 6.00 pm 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)

Software Engineering Course Overview

Course Includes: HTML,CSS,JavaScript, React, SQL, Ruby on Rails, JSON, and Redux Frameworks

The Full-Stack Software Engineering Course covers both Back-End and Front-End programming technologies. At the end of 20 weeks, you will graduate as a Full Stack Web Developer.

 Duration: **20 weeks**

 Cost: **Ksh 200,000**
USD 2000
Fees Installment plans are available

 Mode: **Hybrid classes (3 days online, 2 days in-person)**

CURRICULUM OUTLINE

Phase 0 - Introduction/Pework (3 Weeks) - HTML, CSS, GIT

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.

HTML

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.



Git

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



Phase 1 - Front-End Development (5 weeks)

JavaScript powers the user experience of the web. Students learn the basics of JavaScript syntax, its functional architecture, and different approaches to the object model. Students then learn the Document Object Model (DOM) Javascript API provided by the browser to dynamically interact with HTML. Students use native “vanilla” JavaScript (versus a library). Students then explore the popular Javascript framework React.



Soft Skills (1 week)

What is Covered:

- Leading Self
- Working With Others

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

You'll learn two key Ruby frameworks, first mastering the fundamentals of web programming with Sinatra before learning how to build incredible apps with Rails.

Soft Skills (1 week)

What is Covered:

- Communicating for Impact
- Entrepreneurial Thinking

Phase 3: Back-End Development (3 Weeks)

You'll gain a thorough understanding of Ruby basics before getting comfortable with object-oriented programming and storing information in databases using SQL and Object Relational Mappers.



Ruby



Soft Skills (1 week)

What is Covered:

- Project Management
- Career Readiness

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

First, you'll learn Rails - an object-oriented, Ruby framework - before applying it to JSON API along with productive, scalable front-ends with ReactJS and Redux, creating slick, functional, reactive code.



Redux

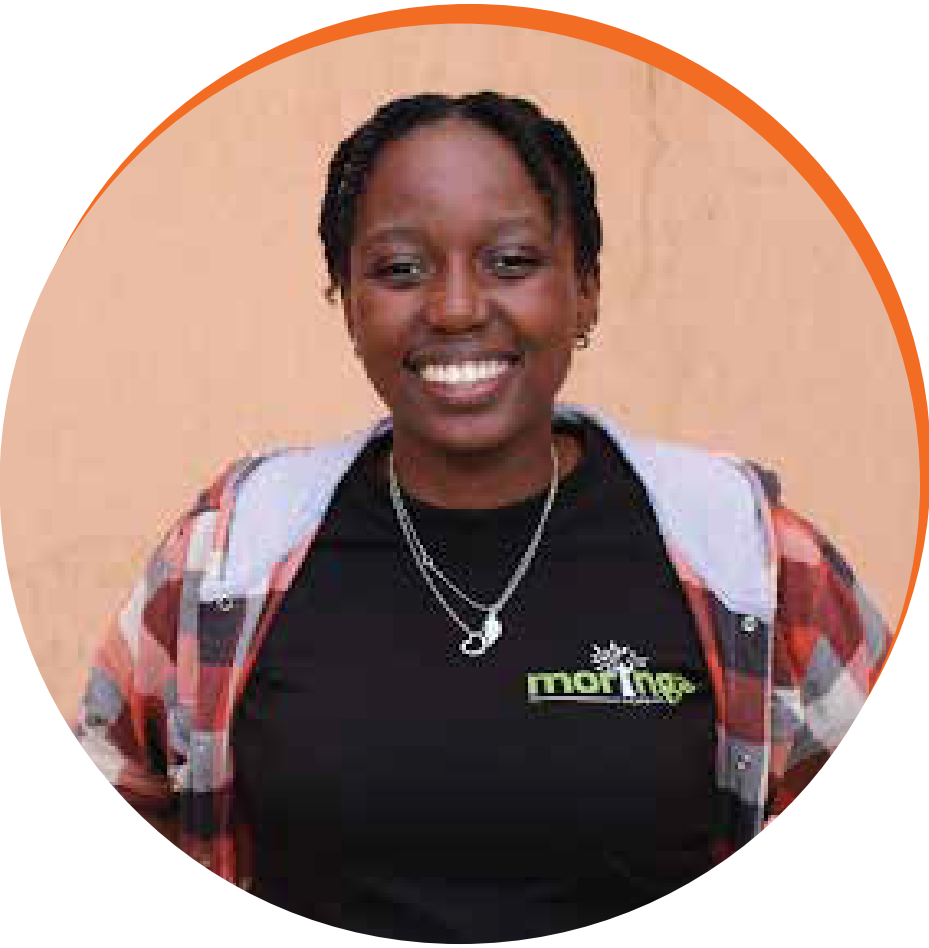
Phase 5: Final Project (3 Weeks)

The program completes with a large-scale group project that will be guided by your technical instructor. You'll receive plenty of instructor feedback along the way while diving deep into various advanced technologies needed to bring your concepts to life.

To grow as a software engineer, you must be agile and able to learn and adapt, no matter the challenge you are given. Communication and collaboration skills, building a project portfolio on Github, and being part of the tech community are some additional aspects of becoming a successful software engineer. Kickstart your journey with us.



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 then. 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 Engineering 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 Engineering 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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