MORINGA
Discover · Grow · Transform

Software Engineering

Online

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 23-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:

- Avoid the daily commute by studying from home/anywhere
- Learn with a diverse community of African 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 check-ins 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 have access to fellow students, alumni, and technical mentors to guide you through.

4 **Career Coaching and Graduate Support**
You will get career coaching and job-hunting support for up to 12 months post-graduation

The Full-Stack Software Engineering Course covers both Back-End and Front-End programming technologies. At the end of 23 weeks, you will graduate as a Full Stack Web Developer.

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Admissions Pre-requisites

This course is available to high school graduates that are 18+ years old, university students or graduates who are interested in becoming software developers.

Submit an online application and assessment test.

Full-time availability for classes. That is 8AM to 5PM from Monday to Friday.

Have a stable internet connection.

Have a laptop (core i5 and upwards, 8GB RAM, 500GB or more memory).

Software Engineering Course Overview

Duration - 23 weeks

Mode - Live & Online | Mon to Fri from 8 am - 5 pm

Tuition Fees - Ksh 174,000

Fee Payment Options Available

1 Upfront Full Fee Payment

2 Fees Installment Plan

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Student Loan with Aspira

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Curriculum Outline

Phase 0: Introduction/Prework - 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 & CSS

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

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. You will also learn the native "vanilla" JavaScript (versus a library) and React.

Soft Skills Training

What is covered: Leading self and Working with others.

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Phase 2: Front-End Web Applications

Learners will experience ReactJS, a component-based JavaScript framework, and have the opportunity to pick up key industry skills by building a project that interacts with an API.

Soft Skills Training

What is covered: Communicating for Impact & Entrepreneurial Thinking.

Phase 3: Back-End Development

You'll gain a thorough understanding of back end development basics, while learning a new language, Python. Next, learners will get comfortable with object-oriented programming and storing information in databases using SQL and object relational mapping.

Soft Skills Training

What is covered: Project Management & Career Readiness

Phase 4: Back-End Web APIs

You'll master Flask, a Python web framework, before using it to create their own JSON API along with scalable front ends with React, creating slick, functional, and interactive applications.

Phase 5: Final Project

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.

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What Our Graduates Say

I had a very good experience in learning Software Engineering skills at Moringa. I went through the full stack course. The professional develop-ment 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.

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I&M Bank

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