

A young man with glasses and a plaid shirt is shown in profile, looking intently at two computer monitors. The monitors display lines of code in a dark-themed editor. The scene is dimly lit, with the primary light source being the screens. The background is blurred, suggesting a modern office or classroom environment. The overall color palette is dominated by dark blues, oranges, and greys.

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# Software Engineering

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Full-Time & Part-Time  
Classes

In partnership with:

 **FLATIRON SCHOOL**

The Flatiron School logo consists of two parallel blue slanted bars followed by the text "FLATIRON SCHOOL" in a bold, black, sans-serif font.

# Introduction

Africa's top Tech Bootcamp - Moringa School teams up with America's Top Tech Bootcamp - Flatiron School, to bring you a 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, we teach you how to learn, think, and build, like software engineers.

## Who is this course for?

If you want to build a career in software engineering, this course is for you!

- Anyone passionate about technology and problem-solving, eager to learn both front-end and back-end development.
- Anyone new to coding who wants to build a strong foundation in software development?
- Professionals looking to transition into tech and secure roles in software engineering.
- Those with some coding experience who want to enhance their skills and become full-stack developers.

## Why Learn Software Engineering?

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

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.

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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.

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3

### Learn in Community

You have access to fellow students, alumni, and technical mentors to guide you through.

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4

### Career Coaching and Graduate Support

You will get career coaching and job-hunting support for up to 12 months post-graduation

# Eligibility & Admissions Requirements

This course is available to working professionals, university students, or graduates who are interested in becoming software developers in an accelerated tech boot camp learning model.



**Must have graduated from High School**



**Proficiency in English - both spoken and written.**



**Have a stable internet connection.**



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



**Have basic computer knowledge**

## Software Engineering Course Overview

### Part-Time Online Classes

**Duration** - 35 weeks

**Mode** - 100% live & online classes  
Mon - Fri from 6 pm - 9 pm

**Tuition Fees** - Ksh 200,000

### Full-Time Online Classes

**Duration** - 25 weeks

**Mode** - 100% live & online classes  
Mon - Fri from 8 am - 5 pm

**Tuition Fees** - Ksh 174,000

### Hybrid Classes

**Duration** - 25 weeks

**Mode** - 2 days in-person and  
3 days online classes at our  
campus from Mon - Fri  
from 8 am - 5 pm

**Tuition Fees** - Ksh 200,000

## Fee Payment Options Available



# Curriculum Outline

## Orientation & Onboarding

- Course Overview
- System configurations and installations
- Onboarding

## Phase 0 - Introduction/Prework - HTML, CSS, GIT

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.

## Health & Wellness Break

## 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) & React.

# Curriculum Outline

## Health & Wellness Break

### 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.

## Health & Wellness Break

### 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.

## Health & Wellness Break

### 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.

## Soft Skills Training

## Technical Assessments

### Phase 5: Final Project

The program is completed with a large-scale group project that your technical instructor will guide. You'll receive plenty of instructor feedback while diving deep into various advanced technologies needed to bring your 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 then. I love coding and would definitely encourage more girls to join the program.



**Latasha Ndirangi,**  
Developer at Dotsavvy

## Contact Details



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