somakodi
Create, Code, Innovate

SOMAKODI

BROCHURE

SOFTWARE ENGINEERING

Somakodi's Software Engineering Bootcamp is a revolutionary program crafted to equip students for successful entry into the field of technology. Geared towards securing employment, this bootcamp offers cutting-edge instruction, career guidance, and valuable networking opportunities with leading employers.

Whether you opt for an in-Person or online schedule in our virtual classroom, this program is designed to pave the way for your success. Upon completion, you will emerge as a graduate with a strong foundation in essential programming and computer science principles, along with practical experience in the languages, frameworks, and libraries sought after by employers.

PREREQUISITES

This is a beginner-friendly program with no prerequisites, although many students have engaged in self-learning previously or have worked at tech startups or in tech-adjacent roles. Whether you're new to the field or you're looking to formalize your practice, our curriculum helps you become fluent in the languages, frameworks, and libraries that modern employers demand and put them to work.

Our Admissions Team can discuss your background and learning goals to advise if Software Engineering Bootcamp is a good fit for you.

Why learn Software Engineering

1. High Demand Career

The tech industry is growing rapidly, and software engineers are in high demand across all sectors—finance, healthcare, education, entertainment, etc. This demand often translates to excellent job security, competitive salaries, and global career opportunities.

2. Problem-Solving and Innovation

Software engineering teaches you how to think logically and solve complex problems.
You get the chance to build solutions that can improve lives and transform industries.

3. Flexibility and Remote Work

Many software engineering roles offer the option to work remotely or freelance, giving you control over your schedule and location.
The skills are also globally applicable, allowing you to work for companies anywhere in the world.

4. Versatile and Evolving Career Paths

You can specialize in areas like web development, mobile apps, data science, artificial intelligence, cybersecurity, and more. It also opens doors to roles in product management, entrepreneurship, and tech consulting.

5. Entrepreneurial Potential

With coding skills, you can launch your own apps or tech businesses with relatively low startup costs. Many successful tech startups started with just one or two software engineers.

6. Creativity and Real-World Impact

It combines problem-solving, design, and innovation. You get to create, test, and iterate — like building with digital LEGO.

Why Study at Somakodi SChool

Somakodi is one of the most successful tech boot camps in Kenya. Join us and get top-tier learning & student experience.

- Professional and experienced team
- Practical hands-on learning
- Enhanced digital-first learning
- Financial Aid Opportunities
- Immersive Curriculum
- Job placement support

Who is this course for?

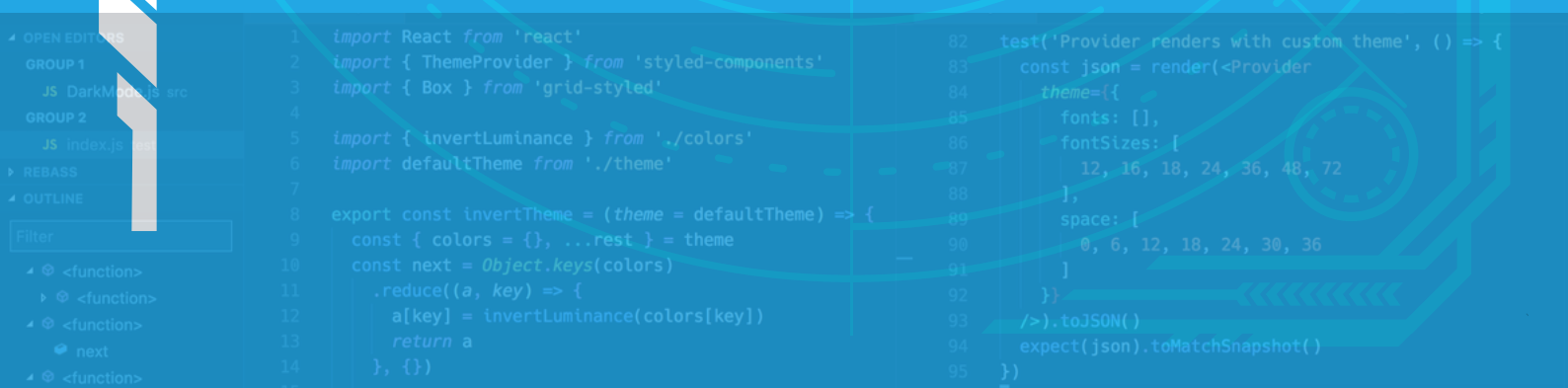
- High School Graduates: Ideal for recent high school graduates looking to explore and gain early experience in a promising field.
- University Ongoing Students & Graduates: seeking to bridge the gap between academic knowledge and practical, job-ready skills in Software Development.
- Professionals looking to upskill and enhance their career and earnings
- Anyone curious about Software Development.

What are the requirements for learners?

- Have Basic computer skills
- Knowledge of the English language both Spoken and written
- Have a Desktop computer or Laptop with stable internet access.
- Desire and curiosity to learn.

Software Engineering Course Overview

Course Model	:	Live classes and 100% Online
Learning Duration	:	8 - Months
Classes Schedule	:	Monday - Friday
Class Timings	:	Flexible Schedule
Program Fees	:	Kes. 135,000/=



Throughout this expert-designed program, you'll:

- Explore programming and computer science fundamentals, as well as software engineering best practices.
- Create a front-end web application with modern JavaScript frameworks such as React.
- Develop and deploy full-stack applications with in-demand technologies such as Python with Flask and Express with Node.js.
- Build secure full-stack applications by leveraging common design and architectural patterns like model–view–controller (MVC) and Representational State Transfer (REST).
- Practice version control and collaborative software development with Git and GitHub.
- Safely model and store data in SQL and NoSQL databases.
- Consume and integrate third-party application programming interfaces (APIs).
- Prepare for the world of work, by compiling a professional-grade portfolio of solo and group projects.

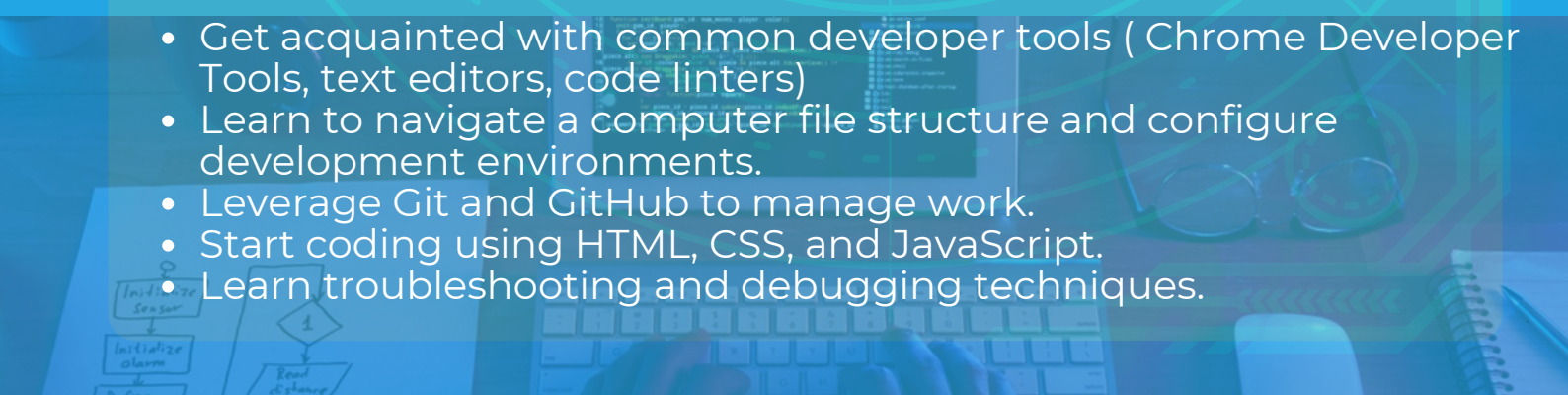
CURRICULUM OVERVIEW

Onboarding

- Course Overview
- System configurations and installations
- Digital learning orientation
- Introduction to FullStack Web Development

Web Design

- Get acquainted with common developer tools (Chrome Developer Tools, text editors, code linters)
- Learn to navigate a computer file structure and configure development environments.
- Leverage Git and GitHub to manage work.
- Start coding using HTML, CSS, and JavaScript.
- Learn troubleshooting and debugging techniques.



Front-End Development

- Dive into fundamental programming concepts (functions, control flow, variables, scope, etc.) using JavaScript.
- Get acquainted with front-end templating and Incorporate new patterns into front-end architecture, including custom behaviors, client-side models and data binding, form validation, state management, and AJAX (Asynchronous JavaScript and XML).
- Learn to integrate dynamic data into interactive websites using APIs
- Gain an introduction to project design, project planning, and project management techniques engineers use on the job, including wireframes and user stories
- Incorporate authentication capabilities into sites and applications (i.e., user logins, encrypted passwords, etc.).

Full-Stack Development

- Build a foundation in full-stack development by exploring back-end development basics, while learning a new language, Python
- Engage in pair programming to understand collaboration and documentation best practices.
- Build web forms that collect user data for storage in a database.
- You will get comfortable with object-oriented programming and storing information in databases and object relational mapping.
- learn Flask, a Python web framework, create your own JSON API along with scalable front ends with React, creating slick, functional, and interactive applications.
- Gain an introduction to testing and test-driven development.

Soft Skills Training

- Soft skills essential for career advancement.
- This unit focuses on enhancing various aspects, including self-leadership, effective collaboration, impactful communication, entrepreneurial mindset, proficient project management, and career readiness.

DevOps Training

- DevOps Engineering integrates software development (Dev) and IT operations (Ops) to enable organizations to deliver applications and services rapidly and reliably.
- By fostering collaboration among teams, automating repetitive tasks, and implementing Continuous Integration and Continuous Deployment (CI/CD), DevOps facilitates frequent and safe code changes.

SOMAKODI
SCHOOL ADMISSION

WHERE LEARNING COMES TO LIFE!

A hub of academic excellence, creativity, and personal growth! We invite prospective students and families to embark on an exciting educational journey with us.

Why Choose Somakodi School?

- Academic Excellence
- Inclusive Community
- Holistic Development
- State-of-the-Art Facilities

What are the benefits of online learning?

- Flexibility and Convenience
- Personalized Learning Experience
- Develop Self-Discipline and Tech Skills
- Cost-Effective

Join Somakodi School and let your educational journey begin

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ENROLL TODAY!