



SOMAKODI

BROCHURE

JAVASCRIPT

JavaScript is the language behind almost every interactive experience we use today. From modern websites and mobile apps to dashboards, e-commerce platforms, and digital services, JavaScript drives the functionality, behavior, and responsiveness users expect. As organizations continue to expand their digital presence, the need for skilled JavaScript developers has grown rapidly. This program introduces learners to the foundations of the web and builds progressively toward advanced JavaScript concepts and professional development practices.

Through hands-on projects, problem-solving, and extensive exposure to industry-standard tools, you will develop both strong technical skills and the mindset of modern software engineers. Each module emphasizes practical application, ensuring you gain the ability to build real interfaces, debug issues, collaborate using Git, and create meaningful portfolio projects that stand out.

By the end of the program, you will have mastered HTML, CSS, JavaScript, and popular frameworks such as React, and you will understand how to architect clean, efficient, accessible, and high-performing applications. Whether your goal is to begin a tech career, build freelance projects, or elevate your digital skillset, this JavaScript-focused program equips you with the knowledge and experience needed to succeed.

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.

Why learn Javascript language

1. High Demand Career

Companies worldwide are constantly hiring JavaScript developers for roles in front-end, back-end, full-stack, mobile, and even cloud development. Learning JavaScript opens multiple career paths.

3. Flexibility and Remote Work

Many developer 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.

5. A Future-Proof Skill

As more businesses move online, JavaScript continues to grow stronger each year. It's a versatile, future-proof skill that ensures long-term career stability and growth.

2. Power to Build Anything

From websites to mobile apps, desktop apps, games, dashboards, and automation tools JavaScript lets you create almost anything. One language, endless possibilities.

4. Beginner-Friendly & Easy to Start

JavaScript runs in every browser, so you don't need expensive software or complex setup. You can start learning and building projects within minutes.

6. Massive Community & Learning Support

JavaScript has the largest developer community in the world. That means tutorials, libraries, job networks, open-source tools, and constant innovation at your fingertips.

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?

The JavaScript Developer course is suitable for a wide range of people, not just those who already know how to code. It fits anyone who wants to build, design, or work with software systems.

- **Beginners with an interest in Tech.** You are curious about how websites, apps, and systems work, you don't need a strong math or coding background, just your interest and willingness to learn.
- **Career Switchers.** You have a background in finance, teaching, marketing, hospitality, etc., and are you looking to transition into tech for increased earnings, remote work opportunities, and more flexible careers
- **Individuals who are problem-solvers & critical thinkers** and enjoy solving puzzles, building things and logical thinking. If you enjoy structured problem-solving, learning JavaScript will feel natural.
- **Professionals seeking high-demand, high-pay skills, stable employment, job security, International opportunities, freelancing, or remote work.** Tech talent is in demand globally.
- **Entrepreneurs, anyone planning to build or manage a tech startup.** Understanding how software works helps you lead teams, make better decisions, and avoid costly mistakes.

What are the requirements for learners?

- Have Basic computer skills
- Desire and curiosity to learn.
- Have a Desktop computer or Laptop with stable internet access.

Javascript Course Overview

● Class Timings	:	Flexible Schedule
● Program Fees	:	Kes. 50,000/=
● Course Model	:	Live classes and 100% Online
● Learning Duration	:	8 - Months
● Classes Schedule	:	Monday - Friday

Teaching Method (Somakodi Classroom)

- **Daily hands-on code sessions with tutor**
- **Assignment/Practice tasks after each lesson**
- **Weekly quizzes & mini-projects**
- **Mentorship from tutors**
- **End of Unit Project presentations**

Throughout this expert-designed program, you'll:

- Learn to write clean, efficient code, solve practical problems, and build confidence using essential development tools and techniques.
- Master front-end development with HTML, CSS, and JavaScript, including DOM manipulation, events, browser APIs, and responsive design everything you need to create fast, dynamic, and interactive user interfaces.
- Build strong application skills by working with JavaScript frameworks and libraries (such as React), handling APIs and asynchronous programming, implementing authentication, and understanding how modern web applications function end-to-end.
- Gain hands-on experience with Git, GitHub, and collaborative workflows, learning industry-standard version control, branching strategies, and teamwork best practices used by professional developers.
- Explore practical data handling using JavaScript storing, retrieving, and managing data efficiently through browser storage, JSON, external APIs, and real-time updates.
- Learn how to deploy JavaScript applications using modern hosting platforms and cloud tools, while developing critical career skills—problem-solving, project execution, communication, and job interview readiness.

CURRICULUM OVERVIEW

Fundamentals of Web Technology

- Introduction to the web and how websites work
- Understanding browsers, servers, and the client–server model
- HTML essentials: structure, tags, semantic layout
- CSS fundamentals: styling, layout, responsiveness
- Developer tools and the modern development environment

JavaScript Foundations

- Variables, data types, operators, and expressions
- Functions, scope, and modern ES6+ syntax
- Control flow, loops, and decision-making
- Arrays, objects, and essential data structures
- DOM manipulation and the browser environment
- Events and user interaction
- Writing clean and readable JavaScript

Intermediate JavaScript

- Advanced functions: callbacks, closures, arrow functions
- Asynchronous JavaScript: promises, async/await, fetch API
- Error handling and debugging techniques
- Working with modules and bundlers
- Introduction to browser storage (localStorage, sessionStorage)
- Practical mini-projects for reinforcement

Advanced JavaScript & Modern Concepts

- Object-Oriented Programming (OOP) in JavaScript
- Functional programming concepts
- Deep dive into the event loop, call stack, and concurrency
- Working with APIs and advanced asynchronous workflows
- State management patterns
- Performance optimization techniques

React Framework (Modern Front-End Development)

- Introduction to React and component-based development
- JSX, props, state, and lifecycle
- Event handling and controlled components
- React hooks: useState, useEffect, useContext
- Routing with React Router
- State management using Context API or Redux
- Building scalable React applications
- Best practices, file structures, and maintainability

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.

Databases & Data Handling

- Introduction to databases and data modeling
- Working with JSON, structured/unstructured data
- Storing and retrieving data via APIs
- CRUD operations using JavaScript
- Secure data handling and validation



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

Join Somakodi School and let your educational journey begin

What are the benefits of online learning?

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