somakodi
Create, Code, Innovate

SOMAKODI

BROCHURE

REACT

Software powers the apps, platforms, and digital systems we use every day, from mobile applications to enterprise tools and online services. As businesses continue to digitize, React has become one of the most essential technologies for building fast, scalable, and interactive user interfaces.

This program introduces learners to the fundamentals of modern front-end development and progressively builds toward advanced React concepts and professional engineering practices. Designed for beginners, the curriculum uses a hands-on, project-based approach.

Each module emphasizes practical implementation, building interfaces, handling user interactions, optimizing performance, integrating backend services, and deploying React applications. You will also practice collaboration using Git and understand how React fits within full-stack application development.

By the end of the course, you will have mastered the key tools and concepts used in modern front-end engineering, including JavaScript, React components, hooks, state management, routing, APIs, version control, and deployment, fully preparing you to build production-ready React applications.

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 Software Engineering

1. It's the Most In-Demand Front-End Skill

React is used by top companies worldwide Meta, Netflix, Airbnb, Uber, Shopify and remains one of the most requested skills in job postings. Learning React significantly increases your chances of getting hired as a front-end or full-stack developer.

2. Problem-Solving and Innovation

Programming 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. Builds Fast, Interactive User Interfaces

React makes it easier to build dynamic, responsive, and highly interactive UIs. Its component-based structure allows developers to create smooth user experiences that scale across web applications.

4. Great Career Flexibility & Growth

Knowing React opens doors to multiple career paths front-end development, full-stack development, mobile development (with React Native), or even product engineering roles. It's a future-proof skill that continues to dominate modern web development.

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. Huge Ecosystem & Community Support

React has one of the largest developer communities in the world, meaning countless tutorials, tools, libraries, UI kits, and solutions are available. You're never building alone.

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?

This 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, software engineering 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.**

Reeact Course Overview

- **Class Timings**   :   **Flexible Schedule**
- **Program Fees**   :   **Kes. 25,000/=**
- **Course Model**   :   **Live classes and 100% Online**
- **Learning Duration**   :   **2 - 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**

- Write clean, modular React code while learning to solve real interface challenges using components, hooks, and modern development tools.

- Master front-end development with React, JavaScript, JSX, and responsive UI patterns—equipping you to build fast, dynamic, and interactive web applications

- Develop strong back-end skills, including server-side programming, API development, authentication, and understanding how application logic operates behind the scenes.

- Understand database concepts and how React apps communicate with SQL or NoSQL systems through secure and well-structured API layers.

- Gain hands-on experience with Git and GitHub, learning to manage code versions, collaborate effectively, and work like a professional developer.

- Build professional development habits with Git and GitHub—managing branches, versioning your code, collaborating with teams, and contributing to real-world projects.

- Learn how to deploy applications on modern hosting platforms while developing essential career skills including problem-solving, teamwork, and interview readiness.

CURRICULUM OVERVIEW

Modern Front-End Foundations & React Setup

This module establishes the core fundamentals required to succeed in React development.
- Modern JavaScript (ES6+) Essentials
- Understanding SPAs vs Traditional Websites
- Development Environment Setup

React Fundamentals – Components, Props & State

Dive into the principal building blocks of React and discover how React simplifies UI development through reusable, modular components.
- JSX & Component Architecture
- Props for Data Flow
- State & Dynamic UI Behaviors

Hooks & React Logic Management

Hooks represent the modern way of controlling state, side effects, and component logic. This module builds deep technical strength in writing clean, predictable React components.
- Core Hooks (useState, useEffect, useRef)
- Performance Hooks (useMemo, useCallback)
- Reusable Custom Hooks

Working With APIs, Data & Asynchronous Operations

React applications are powered by real-time data. This module teaches learners to integrate external services, handle dynamic content, and create functional, data-driven applications.
- Fetching & Managing API Data
- REST APIs & JSON Structures
- State Synchronization & UI Updates

Global State, Routing & Application Architecture

As applications grow, proper structure becomes essential. This module introduces global state strategies and navigation patterns used in professional React environments.
- Context API & Global Data Sharing
- React Router & Navigation Patterns
- Architecting Large-Scale Applications

Styling, UI Systems, Authentication & Performance Optimization

This module strengthens learners' ability to build polished, secure, and high-performing React applications with modern UI and UX standards.
- Tailwind CSS & Component-Based Styling
- Authentication & Protected Routes
- React Performance Techniques

Next.js, Deployment & Production-Ready Workflows

This final module transitions learners from React developers into full production-ready engineers capable of deploying scalable applications used in real business environments.
- Next.js for Modern React Applications
- Building & Shipping Production Builds
- Deployment on Vercel, Netlify & Other Platforms

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!