

Anil Rai

SOFTWARE ENGINEER | FULL-STACK & DEVOPS

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[LinkedIn](#) | [GitHub](#) | [Portfolio](#)

Software Engineer with 4+ years of professional experience in full-stack development and DevOps, holding an MSc in Software Engineering from the University of West London. Proficient in JavaScript, TypeScript, React, Node.js, and Express, with hands-on expertise in cloud technologies such as Docker and CI/CD pipelines, and growing experience with Kubernetes. Skilled in designing and delivering scalable, high-performance web and mobile applications, implementing test-driven development (TDD), and working within agile methodologies. Adept at collaborating in cross-functional, client-facing environments to build user-focused solutions that meet business and technical requirements.

Skills

- Proficient in : JavaScript, TypeScript, React JS, Vue JS, Node JS, ExpressJS, MongoDB, and React Native.
- Familiar with : Python, C#, Dart, Flutter, Java
- Methodologies : Agile, Test-Driven Development, Pair Programming
- Database : MySQL, MongoDB, PostgreSQL
- UI UX Design Tool : Figma, AdobeXD
- Platforms : Linux OS, MacOS
- Cloud Technologies : Docker, Jenkins, Ansible, Kubernetes, Digital Ocean, AWS

Experience

Inspira Digital – Full-Stack Software Developer

Nov 2023 – Present (Remote, UK)

- Configured Nginx reverse proxies and a scalable containerized setup to dynamically spin up and manage configurable WooCommerce stores in the cloud.
- Engineered a seamless data-migration tool to transfer and map user subscription data from legacy entities to newer systems.
- Created a solution to recover and process missed customer orders after a system outage, ensuring all orders were captured and available again in the system.
- Developed scalable middleware adapters to enable smooth communication between multiple microservices and third-party services.
- Built and maintained full-stack enterprise applications using React, Node.js, and Express, ensuring high performance and maintainability.
- Implemented CI/CD pipelines with Bitbucket and containerization, enabling reliable and rapid deployment workflows.
- Migrated Shopify apps from legacy script architectures to the modern Functions approach, improving performance and scalability.
- Designed and developed user-friendly Shopify themes that align with brand identity and deliver a polished shopping experience.

Technologies: DigitalOcean, Nginx, Ansible, Docker, React, Node.js, Shopify

SMAITIC Labs – Software Engineer

Nov 2021 – Aug 2022

- Onboarded to a containerized microservices environment, explored existing build processes and standardized local setups to ensure smooth development workflows.
- Designed and implemented robust Jenkins pipelines with automated end-to-end testing using Cypress, integrated Mocha with Allure Reports for test reporting and configured environment-based deployments to enable early bug detection and faster iteration cycles.
- Built scalable TypeScript APIs in Node.js with real-time data streams over WebSockets, integrated with React and Redux components and leveraged data-visualization libraries to display Prometheus metrics.
- Contributed to architectural decisions for containerized microservices and gained hands-on exposure to Kubernetes, ensuring deployments scale reliably with growing workloads.

Technologies: AWS, Docker, React, Node.js, Socket.io, Kubernetes, Jenkins, Cypress

Prithak Creation – Mobile Application Developer

Dec 2020 – Nov 2021

- Built and released multiple cross-platform production-grade mobile applications using React Native and state management tools like Redux and Context API, published on both the Google Play Store and Apple App Store.
- Implemented platform-specific enhancements in Java (Android) and Swift (iOS) to extend native capabilities.
- Contributed to an open-source library, improving components and documentation.
- Integrated APIs, added payment gateway features, and optimized performance for a seamless user experience.

Technologies: React Native, TypeScript, Java, Swift, Flutter

Prithak Creation – Frontend Engineer

Apr 2020 – Dec 2020

- Gained first hands-on experience with React and Vue, building interactive UIs and component-based architectures.
- Configured and optimized project bundlers like Webpack and Gulp for efficient builds and code splitting.
- Developed reusable UI components integrated with Vuex & Redux, improving consistency and development speed.
- Delivered responsive, production-ready interfaces in collaboration with designers and backend developers.

Technologies: React, TypeScript, Vue, Gulp, Webpack

Prithak Creation – Frontend Developer Intern

Jan 2020 – Mar 2020

- Contributed to real-world projects using HTML5, CSS3, and JavaScript, delivering responsive interfaces and improving usability.
- Assisted in creating reusable UI components, reducing duplication and speeding up feature development.
- Gained experience in Agile workflows, version control, and modern frontend practices through mentorship and code reviews.

Technologies: HTML, CSS, JavaScript, SCSS

Education

MSc in Software Engineering

The University of West London, London, UK

BSc (Hons) in Information Technology

Sunway International Business School, Kathmandu, Nepal