



# Suraj Rai

FULL-STACK  
SOFTWARE ENGINEER

## Details

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## Links

LinkedIn:  
<https://linkedin.com/in/shuraj-shampang-9ab602b5>

Github:  
<https://github.com/shurajcodx>

## Skills

**Languages:** TypeScript, JavaScript, Java, PHP, SQL

**Front-End:** React.js, React Native, Vue.js, Next.js, HTML5, CSS3

**Back-End:** Node.js (Express.js, Fastify), Spring Boot, Laravel

**Databases:** MySQL, PostgreSQL, MongoDB, MariaDB

**Cloud & DevOps:** Docker, Docker-compose, Docker swarm, Portainer, CI/CD, Jenkins, AWS, Traefik, Ansible, Git, Bash, Nginx

**Testing & Quality:** Jest, Mocha, Cypress, Postman

**Core Competencies & Methodologies:** Full Stack Development, Microservices Architecture, RESTful API Design, CI/CD Automation, Agile/Scrum, Cloud Deployment

## Languages

English

## Professional Summary

Full-Stack Software Engineer with 6+ years of experience designing and delivering scalable, high-performance web and mobile applications. Skilled in React and React Native for frontend and mobile development, with strong backend expertise in Node.js, Fastify, Laravel and Spring Boot. Experienced in microservices architecture, REST API design, CI/CD automation, cloud deployments (AWS, Docker, Jenkins). Proven track record of improving system performance, streamlining deployments, and collaborating in Agile/Scrum environments to deliver reliable, production-grade solutions.

## Professional Experience

### Full-Stack Engineer | Eight Bit Pvt. Ltd. (Dzango Technologies)

JAN 2021 – PRESENT | KATHMANDU, NEPAL

- Developed and maintained enterprise-grade web & mobile applications across healthcare, HR, & PaaS systems.
- Built & maintained scalable full-stack systems integrating React, React Native, Node.js (Express.js, Fastify, Nest.js), Spring Boot, & Laravel.
- Collaborated in cross-functional teams to deliver production-grade software with robust APIs, real-time data flow, and cloud-based deployments.
- Implemented CI/CD pipelines using Docker & GitHub Actions for continuous delivery and reliability.
- Contributed to internal open-source packages/libraries (<https://github.com/prefabs-tech>).
- Mentored junior developers and improved project structure through clean architecture and code reviews.

## Key Projects

### • Embleema — Healthcare & Research Platform

- Continued development and maintenance of modular healthcare systems enabling secure data exchange between patients and researchers.
- **Tech:** React, React Native, Express.js, Spring Boot (Microservices), MariaDB, MongoDB

### • Dzango HR — HR & Employee Management System

- Built HR and employee mobile applications for attendance, payroll, and communication.
- **Tech:** React, React Native, Fastify (Employee App – PostgreSQL), Laravel + Vue.js (HR System – MariaDB)

### • 12Deg — Platform-as-a-Service (PaaS) System

- Developed a platform enabling users to deploy applications and manage release pipelines.
- **Tech:** React, Fastify, PostgreSQL

### Full-Stack Engineer | CrossOver Nepal (Division of Dzango Technologies)

MAR 2018 — DEC 2020 | KATHMANDU, NEPAL

- Developed large-scale platforms for logistics & healthcare industries.
- Collaborated with multi-national teams to deliver full stack systems with secure APIs & mobile support.

- Integrated complex workflows with React, Spring Boot, and Android ecosystems.
- Optimized database queries and server-side logic to handle higher concurrent user traffic.

## Key Projects

- **Airwaybill** — *Package Shipping & Delivery Platform*
  - Enabled users to ship, carry, or request packages globally with integrated payments and shipment tracking.
  - **Tech:** React, Native Android, Spring Boot, Scala (Java), MariaDB
- **Embleema** — *Healthcare & Research Platform*
  - Built patient data sharing and analytics systems connecting hospitals, researchers, and patients.
  - **Tech:** React, React Native, Express.js, Spring Boot (Microservices), MariaDB, MongoDB

## Full-Stack Intern | ProED Solution

OCT 2017 — JAN 2018 | KATHMANDU, NEPAL

- Supported the development of web applications using React.js and Express.js, focusing on front-end interfaces & API integration.
- Collaborated with senior engineers in Agile sprints, contributing to feature implementation and bug resolution.
- Gained practical experience in RESTful API design, Git-based version control

## Education

### BSc in Information Technology, Sikkim Manipal University, Gangtok, India

APRIL 2014 — APRIL 2017

## Achievements & Highlights

- Delivered multiple production-grade applications across healthcare, logistics, HR sectors.
- Improved backend performance and API response times by 30% through caching & query optimization.
- Automated deployment pipelines, reducing manual release time by 70%.
- Developed reusable React & Fastify component libraries - <https://github.com/prefabs-tech>