

Suraj Dhakal

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Profile

Backend developer with hands-on experience in Java, Spring Boot, Spring Security, JWT-based authentication, REST API development, SQL databases, and Liquibase migrations. Familiar with secure backend architecture, role-based access control, exception handling, and maintainable application design. Seeking an opportunity to grow as a Java backend engineer.

Professional Experience

Java Backend Developer

Apr 2025 – Present

Wow Finstack Nepal, Pokhara, Nepal

- Developed and maintained backend services for Core Banking, Mobile Banking, and Notification systems using Spring Boot.
- Implemented secure JWT-based authentication for the Core Banking System, enabling multi-tenant login and protecting sensitive API endpoints through role-based access control.
- Designed and integrated biometric (fingerprint) login using a challenge-response mechanism to ensure secure user authentication.
- Built an asynchronous notification system for transaction events and failed login attempts, enabling automated delivery of Email and SMS alerts.
- Contributed to card transaction settlement processing, ensuring accurate transaction reconciliation and reliable backend workflow handling.
- Developed RESTful APIs and optimized backend components to support high reliability and secure financial operations.
- Integrated a third-party digital document signing service that automatically stores signed documents in AWS and verifies the signing status through callback-based validation.

Java Backend Developer

Aug 2025 – Oct 2025

KairosWealth Singapore (Half Time)

- Implemented automated two-party digital signature workflows using the Moxo platform to streamline agreement approval processes.
- Developed backend services to process and visualize financial data, generating graphs for Total Assets Under Management (AUM) and related portfolio metrics on the company website.
- Built and optimized RESTful APIs to support secure data retrieval for financial dashboards and reporting components.

React Developer Intern (Remote)

Apr 2024 – Aug 2024

NexCode Technologies, Bharatpur, Nepal

- Contributed as a React Developer Intern in a remote work environment.

Skills

Languages / Core	Java, Python, SQL, Object-Oriented Programming, JavaScript
Frameworks	Spring Boot, Spring Security, Express.js, React.js
Databases	PostgreSQL / SQL, Liquibase
Tools	Git, GitHub, Linux
Other	Data Analysis with Python

Education

Bachelor of Science in Computer Science and Information Technology (B.Sc. CSIT) 2022 – 2026

Prithvi Narayan Campus, Pokhara, Nepal

NEB +2 Science | GPA 3.57

2019 – 2021

Shree Shitaladevi Community Secondary School, Pokhara, Nepal

SEE | GPA 3.75 | NEB

2018 – 2019

Shree Shitaladevi Community Secondary School, Pokhara, Nepal

Projects

NotiMe

A Kafka-based distributed notification system designed for scalable, reliable, and asynchronous message delivery.

- Built a microservice-based notification system using Spring Boot and Apache Kafka for event-driven communication.

- Implemented support for Email notifications with retry mechanisms and failure handling.
- Designed REST APIs for triggering notifications, retrying failed messages, and fetching notification history with filtering and pagination.
- Integrated SMTP-based email delivery and ensured reliable message processing using Kafka consumers and producers.
- Containerized the application using Docker for easy deployment and environment consistency.

Second Opinion

A web application plus AI model for brain tumor classification with 96% accuracy.

- ViT-based classification model.
- Built with React and FastAPI.

BuyBye

A full-stack e-commerce platform built with React, Redux Toolkit, Node.js, Express, and MongoDB.

- Used MongoDB Atlas for database management.
- Built frontend with React and Bootstrap.
- Developed backend with Node.js and Express.

E-Nirakshan

A public road progress tracking and review application.

- FastAPI backend.
- React Native frontend.
- Included text-to-speech and speech-to-text features.