

SUBASH SINGH DHAMI

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OBJECTIVE

Backend Engineer with hands-on experience in Java (Spring Boot), microservices architecture, PostgreSQL, and DevOps tooling. Proven track record building and deploying production-grade REST APIs and full-stack applications. Passionate about system design, scalable backend solutions, and AI/ML integration.

EDUCATION

Bachelor of Engineering in Software Engineering

Expected Sept 2026

Pokhara University, Lalitpur, Bagmati, Nepal

Relevant Coursework: OOP, DSA, AI/ML, Cloud Computing, Agile Methodologies

TECHNICAL SKILLS

Programming Languages	Java, Python, JavaScript, Dart
Frameworks	Spring Boot, Angular, Next.js, React, Node.js, Express
Backend	REST API, Microservices, System Design, JWT/RBAC, WebSocket, RabbitMQ
Databases	PostgreSQL, PostGIS, MySQL, MongoDB, Redis
DevOps & Cloud	Docker, GitHub Actions, Nginx, AWS (EC2, S3, Lambda)
Tools	Git, Postman, Jira

EXPERIENCE

Backend Engineer

Oct 2025 – Present

Himalayan Guardian Nepal, Kathmandu, Bagmati, Nepal

- Designed and built backend services for a travel/insurance/rescue platform using Spring Boot, PostgreSQL/PostGIS, and Redis, owning system architecture across core business modules independently.
- Architected RESTful APIs and system design for core business logic including trip management, insurance checkout, and rescue/SOS workflows, improving reliability and maintainability.
- Designed microservices-based components and used RabbitMQ for asynchronous processing (e.g., alarm notifications, data synchronization), improving system scalability and decoupling.
- Implemented WebSocket-based real-time communication for live tracking/alert features, alongside REST APIs.
- Owned end-to-end deployment infrastructure: VPS-based deployments and a least-privilege CI/CD pipeline (GitHub Actions, containerized image publishing, isolated deployment user, separate test/prod environments).

Full-Stack Developer Intern

Jul 2025 – Oct 2025

Neoyaan Ltd, Kathmandu, Bagmati, Nepal

- Built and deployed real-world features using Next.js, Node.js, Express, and PostgreSQL with Docker-based deployment.
- Designed and integrated APIs supporting 5+ business workflows, reducing manual data-handling time across services.

Java Developer Intern

Apr 2025 – Jun 2025

InnoBye Services, (Remote - India)

- Built a full-stack web application using Spring Boot, MySQL, and Next.js, integrating backend and frontend seamlessly.
- Developed 10+ REST API endpoints with JWT-based authentication, improving application security and reliability.

PROJECTS

Yugo: Smart Public Transport Platform (Final Year Project) Built a microservices-based transport platform using Spring Boot, PostgreSQL, Redis, Docker, Spring Cloud OpenFeign, Eureka Cloud, React native, and Angular. Implemented NFC/QR tap-in/out, digital payments, trip and route management, offline fare verification, live bus tracking, and multi-bus route planning. Landing page (React) ([Live](#)) Dashboard (Angular) ([Live](#)) *Source code available on request*

Spring IAM - Centralized Identity & Access Management Service Built a standalone IAM service with RBAC, ABAC, hierarchical scopes, policy rules, and per-resource grants. Implemented RS256 JWT authentication, JWKS key rotation, refresh token rotation with reuse detection, and Redis caching. ([Code](#))

Rentle - Rental Marketplace Expanded the earlier KhojDu rental platform into a broader rental marketplace using Next.js, Spring Boot, PostgreSQL, and Redis. Built property and item listings, location-based search, booking workflows, owner-renter communication, complaint management, and eSewa/Khalti payment flows. [Rentle](#) ([Live](#)) [KhojDu](#) ([Live](#))

SMS Spam Detector Built an SMS spam classifier using a Bi-LSTM with an attention mechanism and a Streamlit interface. ([Code](#))

Quiz App

Built a full-stack quiz application using Spring Boot and Next.js with authentication and REST APIs. ([Live](#)) ([Code](#))

Additional projects and repositories: [GitHub](#)

PARTICIPATION AND VOLUNTEERING

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|-------------|-------------------------------------|
| • Volunteer | Final Year Project Exhibition, NCIT |
| • NOSKxNCIT | Hacathons (multiple times) |
| • Executive | Nepal Tek Community, NCIT |

CERTIFICATION AND BADGES



REFERENCES

Available on Request