

Tridev Rai

Student of Software Engineering | Building Scalable Systems with Business Impact

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About Me

Results-driven software engineer with over 5 years of professional experience developing full-stack and backend applications. Skilled in building microservices using Spring Boot, MongoDB, and PostgreSQL. Currently pursuing a Master of Software Engineering at Yoobee College, deepening expertise in cloud security, distributed systems, and blockchain. Passionate about creating business value through scalable, testable code and seamless third-party integrations.

Technical Skills

Backend: Java Spring Boot, Salesforce Apex, Python

Frontend: Salesforce LWC

DevOps & Testing: Bitbucket Pipelines, Azure, JMeter, Git,

Database: MongoDB, PostgreSQL

Caching & Messaging: Caffeine, Redis, Kafka

Cloud: AWS ECS

Tools: Jira, Azure, PostMan

Others: XML, JSON, XSD Validation, Freemarker, Debugging, TDD, REST, Agile, Peer Programming

Experience

Software Engineer (Contract) | **Memoria Inc**, Remote – Colorado/FL/Connecticut | Oct 2023 – Oct 2024

- Built scheduling system with Spring TaskScheduler and lock provider to automate meeting reminders.
- Migrated meeting APIs (v1 → v2) using Jitsi for improved video conferencing.
- Integrated LLM-based APIs to extract and compare post-meeting action items.
- Used Server-Sent Events (SSE) for real-time transcription updates.

Software Development Engineer 3 | **Renegade Insurance**, Lalitpur, Nepal | Feb 2024 – Mar 2025

- Enhanced Salesforce Veruna CRM features to improve agent workflows.
 - Led mentorship for junior engineers to build team productivity.
 - Migrated large file storage from Salesforce to Veruna repository (~60MB), implementing efficient chunked downloads.
 - Designed auto-email workflows using Apex triggers and Visualforce templates.
 - Created custom LWC components for data patching and form submission.
 - Automated deployments across sandboxes using Bitbucket Pipelines and shell scripting.
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Software Development Engineer 2 | **Renegade Insurance**, Lalitpur, Nepal | Apr 2022 – Feb 2023

- Migrated cloud infra from EKS → ECS and Azure → Bitbucket.
 - Created property lookup with Google, Zillow, FEMA using LWC.
 - Developed Carrier Library Wizard in Salesforce.
 - Rebuilt Login Credential API using Bouncy Castle encryption.
 - Integrated GraphQL vendor APIs with schema validation and transformation logic.
 - Boosted API throughput from 5s → 2s under 100 concurrent users.
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Product Engineer | **Renegade Insurance**, Lalitpur, Nepal | Sep 2021 – Apr 2022

- Developed secure credential manager with AES/CBC encryption.
 - Built robust 3rd party integrations using retries and standard-to-custom payload mapping.
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Java Backend Developer | **Renegade Insurance**, Lalitpur, Nepal | Jun 2019 – Sep 2021

- Built a risk-based Rating API using Spring Boot and .NET SDK.
 - Generated dynamic ACORD forms using Freemarker templates.
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Java Backend Developer Intern | **E-Prabidhi Pvt. Ltd**, Kathmandu, Nepal | Nov 2018 – Jan 2019

- Built CRUD operations and dashboards for product management in an e-commerce app.
- Implemented model relationships with Hibernate and secured endpoints.

Education

Master of Software Engineering (Level 9) | Yoobee College of Creative Innovation, Auckland | 2025 – Present

Bachelor in Computer Science and IT (BSc.CSIT) | Tribhuvan University, *Nagarjuna College*, Nepal, 2014 – 2018

Projects

Hotel Management System

- Designed and built a full-stack hotel booking platform using Spring Boot + Hibernate.
- Developed room pricing modules, image upload features, and reservation management.

Heart Risk Prediction App

- Implemented Naive Bayes ML model to predict cardiovascular risk based on patient data.
 - Built a simple front-end interface to interact with the trained model.
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Hobbies

- AI/ML App Development
- Teaching & Mentoring
- Music & Instruments
- Volunteering