

Ajay Maharjan

Software Engineer

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in @ <https://www.linkedin.com/in/am-oo07/> **@** <https://github.com/am-0007> **🌐** <https://www.ajaymaharjan7.com.np/>

Detail-oriented Java Backend Developer with 2+ years of experience building scalable applications using Spring Boot, AWS, and Elasticsearch. Adept at designing secure APIs, optimizing data pipelines, and improving system performance.

EXPERIENCE

Bookkeeper

Taudaha, Lalitpur

PASA

May, 2017 - Dec, 2018

- Possesses bookkeeper skills in managing daily transactions, validating accounting records, and reconciling bank statements.

Freelance

Kumaripati, Lalitpur

Self-employed

Feb, 2022 - May, 2023

- Freelance Java Backend Developer for an Accounting System, specializing in security enhancement, purchase, and billing management using Spring. Proficiently implemented security measures and contributed to critical modules. Conducted JUnit testing to ensure robust system functionality.

Associate Software Engineer

Sifal, Kathmandu

Deerhold

Aug, 2023 - Dec, 2024

- Developed backend solutions and automation systems, built a Spring Security user management system, parsed hospital data into Parquet for analytics, and enhanced the Contract Rate Explorer tool using Elasticsearch, contributing to improved data processing and system efficiency.

Software Engineer

Sifal, Kathmandu

Deerhold

Jan, 2025 - Feb, 2026

- As a Software Engineer, I restructured and optimized the entire project architecture, improving maintainability, performance, and scalability

EDUCATION

High School

Purnachandi, Lalitpur

Bhassara Secondary School

Mar, 2002 - Jun, 2016

Higher Secondary

Kumaripati, Lalitpur

Moonlight Secondary School

Jul, 2016 - Sep, 2018

Bachelor in Computer Technology

lalitpur

Himalaya College of Engineering

Oct, 2018 - Jun, 2023

PROJECTS

GAN Model

Our major project focused on developing an impressive Image Inpainting system using React.js, Node.js, and Python. We successfully implemented a cutting-edge GAN model to restore distorted images and generate visually appealing results.

E-Commerce website with Recommendation system

Our minor project involved building an E-commerce Website using the Spring Boot framework. We incorporated Spring Security, Mappers, and JPA for secure authentication, efficient data mapping, and seamless database operations. Additionally, we integrated a

Recommendation System package to provide personalized product recommendations to users.

JFE Engine

Contributed to web application development using Struts framework within a JFE engine environment. Engaged in design, development, and maintenance, ensuring robust functionalities and seamless user experiences.

<https://www.jfe-eng.co.jp/>

Automation

Key role in product development using Spring, AWS, Thymeleaf, and Hibernate. Collaborated across teams, architecting, implementing, and deploying the system. Utilized Spring for feature implementation, managed AWS services, crafted dynamic UI with Thymeleaf, and optimized database interactions using Hibernate.

Hospital MRF parser

Developed a Java-based parser using Jackson to process US hospital data into structured hospital charge and standard charge formats. Implemented data conversion to Parquet for efficient storage and integrated the system with company servers. Additionally, wrote comprehensive test cases using JUnit to ensure the reliability and accuracy of the system.

User Management

Developed a core authentication system with Spring Security for user management, handling authentication, user preferences, query building, and default settings across company products.

<https://usermanagement.cre.deerhold.com/>

Contract Rate Explorer

Contributed to the development of the Contract Rate Explorer by implementing Elasticsearch in Java to streamline data analysis. This enhancement improved the tool's capability to efficiently search and analyze healthcare contract rates, enabling more effective comparison and insights into pricing structures.

<https://cre.deerhold.com/>

TRAINING/CERTIFICATIONS

Spring OAuth 2.0

2023

Udemy

- I have implemented the following OAuth 2.0 grant types: Authorization code grant
- I have also implemented the following OAuth 2.0 flows: Authorization code flow
- I am familiar with the following Spring Security OAuth2.0 concepts:
 - Authorization servers
 - Resource servers
 - Clients
 - Access tokens
 - Refresh tokens
 - Scopes

SKILLS

Java, Python(Flask FastAPI), Spring, Spring Security, Struts, Docker, AWS S3, Junit, elasticsearch, Apache Spark, Langchain

LANGUAGE

Nepali, newa, English

REFERENCES

Aman Maharjan - *Principal Software*

Engineer

Renegade Insurance Nepal

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