

AUVAN ATTHAHARA

SOFTWARE ENGINEER

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SUMMARY

Software Engineer with 2+ years of experience bridging backend software engineering and data pipeline development. Skilled in building and maintaining ETL workflows with SSIS, developing data-serving APIs with Java Spring Boot and Python, and deploying containerized services using Docker and Kubernetes. Brings a strong software engineering foundation — microservices architecture, CI/CD, and RESTful API design — to the design and reliability of data systems. AWS Certified Cloud Practitioner with hands-on experience in enterprise and insurance-sector data environments.

SKILLS

ETL & Data: SSIS, ETL workflow design, data warehousing concepts, staging & transformation logic

Languages: Java, Python, SQL, JavaScript

Frameworks: Spring Boot, CodeIgniter, Angular

Databases: SQL Server, PostgreSQL, MySQL

DevOps & Cloud: Docker, Kubernetes, AWS (Cloud Practitioner), CI/CD Pipelines, Git

Concepts: Microservices architecture, RESTful APIs, containerization, data pipeline reliability

WORK EXPERIENCE

Software Engineer | PT. Asuransi BRILife

Jan 2024 - Present

- Design, develop, and maintain ETL workflows using SSIS to extract, transform, and load insurance transaction data into SQL Server, ensuring reliable data availability for reporting and analytics across multiple business units.
- Build and maintain scalable microservices and RESTful APIs for the MoKlaim web application, integrating Java Spring Boot, Python, PHP CodeIgniter, and PostgreSQL.
- Containerize and deploy backend services using Docker and Kubernetes, improving deployment consistency and application scalability.
- Optimize CI/CD pipelines to improve backend reliability, reduce deployment errors, and shorten bug resolution time.

Software Engineer | PT. Lawencon International

Jun 2023 – Jan 2024

- Developed backend microservices and RESTful APIs for enterprise HRIS platforms using Spring Boot and PostgreSQL.
- Built and integrated Angular frontend modules with backend services to support end-to-end HR workflows.

- Designed and implemented automated report generation using Apache POI and Jasper Reports, reducing manual reporting effort.
- Collaborated with cross-functional teams in an Agile/Scrum environment to deliver solutions for large-scale enterprise clients.

IoT Staff (Intern) | PT. Jasa Marga (Persero) Tbk.

Sep 2021 – Mar 2022

- Supported maintenance and operation of Single Lane Free Flow (SLFF) tolling systems to enable automated toll transactions.
- Assisted in the implementation of Automatic Vehicle Counting (AVC) systems, improving traffic monitoring accuracy.
- Researched and tested STM32-based embedded systems to enhance Electronic Toll Collection (ETC) technologies.
- Collaborated with senior engineers to integrate IoT solutions into large-scale transportation infrastructure.

PROJECTS

Moklaim

2024 - Present

- Maintain and enhance a legacy insurance claims application built with PHP CodeIgniter.
- Contribute to the revamp of the platform using Java Spring Boot and Python-based microservices.
- Maintain ETL pipelines and data-serving APIs for an insurance claims system used across multiple business units; currently leading the re-architecture of data flows from legacy PHP to Spring Boot and Python microservices.

LinovHR

2023

- Developed core and payroll backend modules used by multiple microservices using Spring Boot and Java.
- Built responsive web application interfaces using Angular 16.
- Supported HR management features including payroll, time, and attendance for multiple enterprise clients.

Asset Management System (AMS)

2023

- Built backend APIs using Spring Boot and PostgreSQL with microservices architecture.
- Enabled organizations to manage and track physical assets efficiently.

E-learning Platform

2023

- Developed a scalable microservices-based backend using Spring Boot and PostgreSQL.
- Implemented features to support online learning and course management.

Indoor Position Tracking (BLE-based)

2022

- Implemented an indoor positioning system using Bluetooth Low Energy (BLE) and ESP32.
- Built a JavaScript-based interface to track people's positions indoors in real time.

EDUCATION

Sultan Ageng Tirtayasa University

Bachelor of Electrical Engineering

2018 - 2022

TRAINING AND BOOTCAMPS

AWS Cloud Practitioner | Coursera

Des 2025 – Present

Self-study about AWS services, and prep for AWS CCP certification.

Data Engineering Bootcamp | PT. Lawencon International

Nov 2023 – Jan 2024

Intensive bootcamp covering core data engineering principles including ETL pipeline development, data warehousing, SQL-based data transformation, and pipeline orchestration.

CERTIFICATIONS

Hackerrank SQL (Intermediate)

2024

Hackerrank Java (Intermediate)

2024

Hackerrank Python (Basic)

2025

AWS Certified Cloud Practitioner

(in progress)