

# Achmad Yuneda Alfajr

Software Engineer | Data Engineer

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## SUMMARY

Software Engineer with 3 years of experience with varying degrees between front end, back end and automation. Capable of working with a variety of technology and software solutions and managing databases. Beyond traditional development, I have also worked on AI-driven solutions, particularly in Generative AI.

## TECHNICAL SKILLS

- Languages : Javascript, Typescript, Python, Go, Kotlin.
- Technologies : React JS, Next JS, Node, Express, Nest JS, Github, Jira, GCP, Firebase, Selenium, Redis, Google Cloud Pub, AWS, Kafka.
- Other : Postgre SQL, MySQL, VM, gherkin, Big Query, OpenAI, Generative AI, Docker.

## PROFESSIONAL EXPERIENCE

### TOMIE TECHNOLOGY

Software Engineer

Singapore

01/2025 - Present

- Lead the architecture, design, and development of scalable, robust, software solutions.
- Spearheaded the setup of AWS infrastructure and DevOps pipelines, creating RFCs and deployment documentation adopted company-wide.
- Acted as the primary point of contact for all DevOps-related initiatives, supporting developers and maintaining deployment reliability.
- Convert UI/UX designs from Figma into fully responsive and interactive React applications, ensuring a seamless user experience across devices.
- Develop and optimize application logic, maintaining clean, efficient, and scalable code for long-term maintainability.
- Manage end-to-end application deployments, including CI/CD pipeline configuration and release management.
- Delivered internal tech talks to share technical improvements and promote engineering excellence within the development team.
- Mentored developers by enforcing coding standards, clean architecture principles, and promoting continuous learning culture.
- Implement Kafka for real-time data streaming and inter-service communication between microservices, enabling seamless data flow and synchronization across multiple databases.
- Collaborate with designers, product managers, and stakeholders to align technical execution with business objectives

### GOCEMENT

Data Engineer

Surabaya, Indonesia

02/2024 - 12/2024

- Developed python scripts to automate the process using GCP Cloud Function.
- Ensured the quality and reliability of products, services, or processes.
- Analyzed issues related to a data warehouse and database.
- Provided support and maintenance.
- Delivered data visualization solutions using Looker.
- Created and managed table data in BigQuery through join operations, leveraging automation and scheduled queries in GCP.
- Integrated Jira automation with BigQuery to provide data for analysis.
- Designed and implemented dashboards using Looker to enable company analysis for monitoring business processes and evaluating sales data, utilizing BigQuery as the data source.

- Integrated Jira with external systems to send WhatsApp notifications to designated targets when specific events occur, such as issue creation or linked issues aligned with defined business processes.

## **SFS GROUP**

**Surabaya, Indonesia**

### **Web Developer**

**03/2023 - 02/2024**

- Built an AI-powered platform that helps businesses create and customize chatbot responses.
- Developed a feature that allows saving past conversations and improving chatbot accuracy over time.
- Created a chatbot plugin that makes it easy to add AI chatbots to websites with minimal setup.
- Contributed to the development of broadcast message system with pubsub
- Handled for both the cloud function and frontend project using react, typescript, firebase, redis.
- Used state management like redux and context to handle the data in the front end
- Used ui library like MUI and Ant Design to help the process of slicing front end page
- Collaborated with the QA team to write clear Gherkin scenarios and select automation tools supporting Gherkin and Kotlin, like Cucumber, and set up the development environment.
- Integrated a payment gateway for both frontend and backend systems to support subscription management and cancellation using Xendit, including handling detailed invoice information for each billing cycle.

## **PT AKSAMEDIA MULIA DIGITAL**

**Surabaya, Indonesia**

### **Fullstack Web Developer**

**11/2022 - 03/2023**

- Developed visually appealing user interfaces that enhance user experience using React, TypeScript, and Chakra UI
- Developed high-performance, scalable, and maintainable full-stack applications using NestJS, GraphQL, Apollo Server, and TypeORM
- Employed Swagger for seamless API documentation, enabling clear and comprehensive documentation for developers, stakeholders, and end-users alike
- Utilized packages such as Passport, bcrypt, and JWT for robust authentication and authorization
- Developed a notification module that utilized push notifications, leveraging the Firebase Cloud Messaging (FCM) token system.
- Integrated OTP WhatsApp using Twilio services.

## **INTERNSHIP**

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### **PT AKSAMEDIA MULIA DIGITAL**

**Surabaya, Indonesia**

#### **Fullstack Web Developer**

**09/2022 - 10/2022**

- Implemented a system where users could request verification status.
- Developed a business group module enabling management of premium and non-premium content for verified and non-verified users.

### **PT ANDROMEDIA**

**Surabaya, Indonesia**

#### **Full Stack Engineer**

**08/2022 - 12/2022**

- Implemented database using PostgreSQL.
- Implemented Backend using Node.js platform. with and Prisma ORM
- Implemented Frontend using React and/or Tailwind platforms.

## **EDUCATION**

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### **UNIVERSITAS PEMBANGUNAN NASIONAL "VETERAN" JAWA TIMUR**

**Surabaya, Indonesia**

#### ***Bachelor of Engineering, Major in Computer Science***

**2019 - 2023**

- GPA : 3.92 (Magna cumlaude)
- Thesis: Classification Of Distracted Driver Using Support Vector Machine Based On Principal Component Analysis Feature Reduction And Convolutional Neural Network

- Publish paper Classification Of Distracted Driver Using Support Vector Machine Based On Principal Component Analysis Feature Reduction And Convolutional Neural Network nn Jurnal Komputer Dan Informatika
- Publish paper Website Development to Display Crypto Coin Prices with Application Programming Interface on Jurnal Teknik Informatika dan Sistem Informasi

## **ORGANIZATIONS**

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### **Mobile Developer Community (Vice President)**

- Assisted lead organizer in all matters within the community.
- Managed the coordination of the community team and all its members.
- Gave lesson on learning Flutter with Dart

## **LICENSES AND CERTIFICATIONS**

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- Belajar Dasar Structured Query Language (SQL) – Dicoding
- Junior Web Developer – Badan Nasional Sertifikasi Profesi
- Belajar Dasar-Dasar DevOps - Dicoding
- AWS Academy Graduate – AWS Academy Machine Learning Foundations
- Belajar Membuat Aplikasi Web Dengan React - Dicoding
- Python Fundamental for Data Science
- Belajar Machine Learning untuk Pemula - Dicoding
- Belajar Membuat front-End Web untuk Pemula - Dicoding
- Memulai Pemrograman dengan Python - Dicoding