

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

Web Developer

Surabaya, Indonesia

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

Fullstack Web Developer

Surabaya, Indonesia

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

PT AKSAMEDIA MULIA DIGITAL

Fullstack Web Developer

Surabaya, Indonesia

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

Full Stack Engineer

Surabaya, Indonesia

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

UNIVERSITAS PEMBANGUNAN NASIONAL "VETERAN" JAWA TIMUR

Bachelor of Engineering, Major in Computer Science

Surabaya, Indonesia

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 on 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

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

- 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