

Kristian Halim

Software Engineer,
Salam Pacific Indonesia Lines, Indonesia

CONTACT INFORMATION

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SKILLS

Programming Languages: Javascript, Typescript, Java, Go, Python, Dart, PHP, SQL.

Frameworks: Express.js, Next.js, React, Flutter, Django, CodeIgniter, Laravel, TailwindCSS, Bootstrap.

Databases: Oracle (SQL Query, Stored Procedure, Functions, Triggers), PostgreSQL, MySQL, Redis, Firebase.

Cloud: GCP, AWS, Kubernetes.

AI Tools: OpenAI, Langchain, Dialogflow, Amazon Textract.

Others: Git, Apache Kafka, NodeJS, Linux, HTML & CSS.

LANGUAGES

Bahasa Indonesia (Native Proficiency).

English (Professional Working Proficiency).

ACHIEVEMENTS

Winner of SPIL Hackathon 2024

SPIL Green Star 2023: awarded for becoming one of the best performing employee in 2023.

WORK EXPERIENCE

Salam Pacific Indonesia Lines, Indonesia - Software Engineer

March 2021 - Present. Full time, on-site

- Full-stack developer of [mySPIL](#), the very first digital platform for logistics industry in Indonesia. Developed backend APIs with Java servlet, frontend with Codeigniter and Bootstrap.
- Full-stack developer of [mySPIL Reloaded](#), the first Logistics Superapp in Indonesia. Developed backend with Express.js, frontend with Flutter.
- Full-stack developer of [Forwarder.ai](#), the first AI driven, online digital freight forwarding in Indonesia. Developed backend with Go, frontend with Codeigniter and Bootstrap. Contains various AI features such as comprehensive LLM Chatbot and OCR for invoice detection.
- Spearheaded the use of Apache Kafka for real-time data streaming.
 - Combining Kafka with websocket to create a real-time booking and revenue monitoring dashboard for manager, customer service and sales.
 - Combining Kafka with webhook calls to provide live data for our clients and partner companies.
 - Created Kafka sink [boilerplate](#) to help streamline development process and served as example for my colleagues.
- Created a comprehensive LLM chatbot based on OpenAI's GPT 4.0. It has several features:
 - Able to recognize user booking request and guide user to provide missing informations. After all required infos are provided, chatbot will send the booking request to our API.
 - Able to read PDF documents and save the content inside as a knowledge to be used in conversation.
 - Combined with Redis to save chat history. Chatbot can use this history for extra knowledge and context during a conversation.
 - Customized prompts to better understand Indonesian languages, terms and slang. Also able to give answer in Bahasa Indonesia.
- Created custom API Gateway with ExpressJS to connect various APIs and endpoints. Improving speed with cache management and load balancer. Improving security with custom data encryption.
- Developed online checklog system for [SPIL Organizer](#) using Flutter.
- Developed [SPILDex](#), an API platform for SPIL partners, using Go.

Ahlinya Teknologi Mandiri, Indonesia - Fullstack Developer

March 2020 - September 2020. Full time, on-site

- Fullstack developer of mobile application marketplace "Ahlinya.id". This app provide end to end solution for multiple stay at home work such as home cleaning and laundry. Developed frontend with Java and Android Studio, Backend with Python and AWS Lambda.
- Fullstack developer of a competitive mobile game tournament website that manage player match and provides statistics. Developed frontend with Laravel and Backend with Python.

Eyesimple Creative Studio, Indonesia - Web Development Intern

December 2018 - March 2019. Internship, on-site

- Developed an accounting website for a contractor company using Laravel and PHP.

Petra Christian University, Indonesia - Assistant Lecturer

August 2017 - December 2019. Part time, on-site

- Assisted in teaching:
 - Sequential and Object Oriented Programming in C++
 - Data Structure in C++
 - Web Development (HTML, CSS, Javascript, PHP)
 - Database (SQL Queries)
 - Java
 - Android Mobile Development (Android Studio & Java)
- Responsible for examining homework, quiz and exams of those classes.

Education

Petra Christian University, Indonesia - Informatics Undergraduate

August 2016 - March 2020.

- Graduated cumlaude with GPA of 3.88 out of 4.0.
- Majored in Intelligent System, Minored in Business Information.
- Leader of IT division for LKMM - TD 2017 (Training for student management skill).
- Member of game developer division for IRGL 2018 (Informatics Rally Game and Logic).