Wahyu Rudiyan Saputra

Senior Backend Engineer

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I'm a Senior Backend Engineer with expertise in Golang, Python, Typescript, and various technologies including MySQL, Elasticsearch, Redis, Kafka, Docker, and Kubernetes. I've developed impactful systems, improved search functionalities, led high-traffic projects, and re-architected services for efficiency. My experience spans building chatbots from scratch, reducing deployment costs, and working on IoT projects. I'm also passionate about microcontrollers, electronics, and robotics. I am also actively learning Elixir and the Phoenix Framework to broaden my skill set.

Skills

I experience in

Golang   Gin Framework   Python   TypeScript   Node.JS   NestJS   MySQL

PostgreSQL   Redis   Elasticsearch   MongoDB   Docker   Kubernetes

N8N (Nodemation)

Knowledgeable in various tech stacks such as

Elixir   Phoenix Framework   Flutter

Currently I learn

Java   Clojure   Astro   React.js

I speak

Native   Intermediate

Work experience

Senior Sofware Engineer (Backend)

January 2024 - now

Sekolah.mu (PT. Semesta Integrasi Digital)

- Developed the Multipay Checkout system, significantly boosting revenue by introducing a new bill payment solution.

- Enhanced the Voucher Search Feature, improving search accuracy and increasing visibility of previously missing voucher keywords by over 70%.
- Implemented Go standard idiomatic practices, leading to more scalable, readable, and testable code.
- Mentored junior and mid-level engineers, fostering engineering excellence and knowledge sharing within the team.

Technologies: Golang, Gin Framework, Python, Django Framework, MySQL, Elasticsearch, AWS SQS

Senior Sofware Engineer (Backend)   `December 2022 - August 2023`
Evermos

- Managed a high-performance search service, improving Click Through Rate (CTR) by around 80%.
- Led projects including FAQ, Voucher on Product Page, Popular Search, and Special Project Products, resulting in a 60% increase in impressions.
- Enhanced SDLC with Agile methodology, improving project development efficiency and task management.
- Conducted internal training for new Backend Engineer trainees.

Technologies: Golang, MySQL, Elasticsearch, AWS SQS, GraphQL

Senior Sofware Engineer (Backend)   `March 2020 - November 2022`
Ruangguru

- Led the development of the AI-based WhatsApp Chatbot (Roboguru) and its Go library from Proof of Concept to production, driving more than 2 million leads for the company and handling 100K messages per second (MPS).
- Led the development of a Popup Rating feature, providing a mechanism for users to rate products or teachers, enhancing user experience with better-rated products or teachers.
- Owned core marketing services with a large volume of messages, refactored them, and reduced the message missing rate to almost 0%.
- Reduced the cost of deploying WhatsApp On-Premise by up to IDR 1 billion per year.
- Re-architected the Notification Service to handle over 1 million notifications in a single blast.
- Conducted internal boot camps as part of the Ruangguru Engineering Academy (https://rea.ruangguru.com/).

Technologies: Golang, Gin Framework, Python, MySQL, Elasticsearch, Docker, Kubernetes, N8N (Nodemation)

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Projects

Ruangguru Chatbot
March 2020 - November 2022

This project initiative to handle common FAQ of users. In the next development stage, this chatbot equipped with semi-AI engine and it's called as Roboguru Chatbot

Demo: RG Chatbot

Technologies: Golang, Gin Framework, Docker, Kubernetes, Whatsapp Cloud API

Education

Bachelor of Computer
September 2012 - June 2016

Computer System Engineering

Bachelor degree. Specialization in IoT and Software Development.