

Roihan Sori Nasution

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EDUCATION

Universitas Gunadarma

B. Eng in Informatics

Jakarta, Indonesia

Sep 2019 - Sep 2023

- o **Concentrations:** Web Development and AI
- o **GPA:** 3.82/4.00
- o **Related Coursework:** Data Structures & Algorithms, Fundamental DBMS, Web Development, Data Science, Machine Learning, Artificial Intelligence, Object-Oriented Programming, Statistics & Applications

EXPERIENCE

Digitalent Kominfo x Hacktiv8

Backend Engineer Intern - Scalable Web Service with Golang

Jakarta, Indonesia

Feb 2024 – Mar 2024

- Participated in the Fresh Graduate Academy (FGA) program organized by Digitalent Kominfo x Hacktiv8, and was recognized as one of the top participants.
- Underwent intensive training for 6 weeks in developing scalable web services using the Golang programming language.
- Developed and optimized RESTful APIs using the Gin framework, resulting in a 30% reduction in API response time through database query optimization and efficient caching mechanisms.

BTPN Syariah x Rakamin Academy

Full Stack Developer Intern

Jakarta, Indonesia

Nov 2023 – Dec 2023

- Implemented robust web API services using the Go programming language
- Utilized Docker for streamlined deployment and scalability of backend services.

Alterra Academy

Backend Engineer Intern

Jakarta, Indonesia

Aug 2022 – Dec 2022

- Developed and maintained backend services using the Golang programming language for a large-scale Learning Management System (LMS) application.
- Collaborated with the UI/UX team to align user interface requirements with server-side business logic.
- Worked closely with the QA team in functional and integration testing to ensure software quality.
- Utilized best practices in software development such as clean code, unit testing, and continuous integration/delivery (CI/CD).

PROJECTS

Nest Online Shop API

Mar 2024 – Apr 2024

- Developed a robust API using Nest.js with PostgreSQL for data storage and Redis for caching.
- Implemented Elasticsearch for search functionality and integrated monitoring using Grafana and Jaeger.
- Created comprehensive API documentation using Swagger, ensuring easy understanding and use by other developers.
- **Tech Stack:** Node.js, Nest.js, Postgres, Redis, Docker, Grafana, Jaeger, Amazon S3, Swagger.

MyGram

Feb 2024 – Mar 2024

- Developed a social media platform for sharing photos, built with Go and Gin framework.
- Implemented features such as image uploading and storage using Cloudinary, and comment functionality
- Utilized Swagger for API documentation and PostgreSQL for data storage.
- **Tech Stack:** Go, Gin, Postgres, Cloudinary, Swagger,.

Traffic Accident Detection

Apr 2023 – Aug 2023

- Developed a traffic accident detection model using YOLO (You Only Look Once), achieving an accuracy of over 65%.
- Deployed the model using Flask for real-time detection of accidents from both images and videos.
- Integrated the system with an email notification service to alert users in real time when an accident is detected.
- **Tech Stack:** YOLO, Flask, Python.

SKILLS

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

Technologies: React.js, Next.js, Express Js, Nest Js, MySQL, Postgresql, MongoDB, Echo, Gin, Github, Postman, Figma.

Other: Nginx, Redis, Docker, Firebase, Grafana, Elasticsearch, VPS, Linux.