

Naufal Hakim

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EXECUTIVE SUMMARY

With over 2 years of experience in information technology, I have expanded my knowledge with technical execution and ways to see the business perspective especially in the learning industry. I have excellent analytical and problem-solving skills to confidently execute software tasks from start to finish, I am always happy to learn new things and enthusiastic about solving new challenges, therefore I am looking for a job that allows me to develop myself further.

EDUCATION

Binus University

Feb 2024 – Present

Computer Science, Bachelor Degree (2st Semester)

Cumulative GPA: 3.89/4.0;

Relevant Coursework: Algorithm Design and Analysis; Program Design Methods; Data Structures

IPB University

Aug 2019 – Jul 2022

Computer Engineering, Vocational School

Cumulative GPA: 3.51/4.0;

Relevant Coursework: Algorithms; Data Structures; Clean Code and Design Pattern; Object-Oriented Programming; Database;

WORK EXPERIENCES

ARKADEMI – Jakarta, Indonesia

Sep 2022 – Present

Backend Engineer

- Developed and maintained codes/features, and resolved bugs in the backend services of a Learning Management System using **Lumen/Laravel** and **MySQL**. Have worked on **AWS** related services such as S3 for photo, file, and video storage. Implemented **RabbitMQ** for order processing, integration with third-party payment gateways. And using **Docker** as containerization.
- Migrated about new services using **Go (Programming Language)** by implementing **Clean Architecture Principles**.
- Took the initiative to create comprehensive API documentation and establish standardization practices using **OpenAPI**, ensuring consistency, clarity, and ease of use across all service endpoints.
- Create automated features and tasks using Laravel's Cron Job, automating repetitive tasks and increasing work efficiency from manual.
- Identified and resolved bugs in the application Arkademi and Prakerja Arkademi.
- Enhanced service performance by optimizing queries dan refactoring algorithms from legacy.
- Enhanced service performance by refactoring **WordPress** functions into a **Lumen (Laravel)**.
- Improve service performance by refactoring **WordPress** table base to **relational tables (MySQL)**.
- Utilized several third-party services for enhanced functionality and performance.
- Collaborated with cross-functional teams (**Frontend, Mobile, Data, System Admin, DevOps**) to deliver high-quality applications within project timelines.
- Collaborated with the **Product Team** to understand business requirements.
- Helped the team doing local postman Regular API documentation and Prakerja API.
- Moved millions of data from the WordPress model table to a new table (relational table) so that the query runs quickly using **concurrency** techniques in **Golang (goroutine)**.
- Provided an example of using **Redis** to solve slow functions in the API.
- Implement unit test in **Golang**.
- Implemented centralized **logging and monitoring** for production environments using **Logrus** and **AWS CloudWatch**, ensuring fast issue resolution.
- Implement **Firebase** across multiple APIs.
- Create a certificate generator to run in the background using **TypeScript** and **RabbitMQ** deploy it on **Google Cloud Platform (GCP)** implement **CI/CD**.

PROACTIVE EDUCATION – Yogyakarta, Indonesia

Jan 2022 – Mar 2022

Internship

- Helped company build Robot and **Internet of Things**.
- Helped company **teaching** high school students who are interns
- Developed Web Application for employee attendance and door opening automatic using **PHP Framework (Laravel)**, **Rest API**, and **MySQL** for database.
- Designed and assembled an **Internet of Things** device (ESP8266 Module) as a client for the Web Application and Programmed using **C++ / Arduino** language.

PROJECT EXPERIENCES

Intellitalk

May – Jun 2023

- The Intellitalk is a self-interview application using AI to help HR Interview with new candidates
- This app is used to take part in hackathons with my friends.
- Utilized: **Go, Next, MongoDB, OpenAI, Python**

Automatic Door and Presence using Fingerprint based Internet of Things

Jan – Mar 2022

- The purpose is to make it easier for employees to take attendance and open the door.
- The tool is made using a Fingerprint sensor, Keypad, LCD 16x2 and a tool connected to the website.
- This application is a final project.
- Utilized: **Laravel, Bootstrap.**

NHKasir

Dec 2021

- NH KASIR is a cashier application. The purpose is to help process transactions in a business.
- This application is a competence test computer engineering.
- Utilized: **HTML, JavaScript, CSS, Bootstrap, PHP, Laravel.**

Briket

Oct – Nov 2021

- BRIKET is a ticket booking application. The purpose is to facilitate users BRI to book tickets.
- This application is a web-based programming and software engineering course assignment.
- Tools design UI using Figma.
- Utilized: **HTML, JavaScript, CSS, Bootstrap, PHP, Laravel.**

Computer Augmented Reality

Feb – Jun 2021

- CAR is an augmented reality-based android application that aims to make it easier to learn computer components.
- This application is a multimedia computer course assignment.
- Tools design UI using **Figma**.
- Utilized: **C#, Unity, Blender.**

TECHNICAL SKILLS

Languages: HTML5, CSS, JavaScript, C++, GraphQL; Advance in PHP, Python, SQL, Golang

Frameworks: Laravel, Lumen, Gin, Express Js, Hapi, Nest Js

Databases: MySQL, PostgreSQL, MongoDB, Redis

Developer Tools: Git, AWS, Firebase, Docker, RabbitMQ, GCP, Github Actions, CI/CD, gRPC

Certifications & Training: Pemrograman Go-Lang Pemula sampai Mahir (Eko Kurniawan - Udemy), Belajar Membuat Aplikasi Back-End untuk Pemula (Dicoding Indonesia), Belajar Prinsip Pemrograman SOLID (Dicoding Indonesia)