Alvian Ghifari

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Skills: Golang, NodeJs, TypeScript, JavaScript, PHP, Gin, Fiber, ExpressJs, NestJS, NextJs, ReactJs, TailwindCSS, Laravel, MongoDB, MySQL, PostgreSQL, SQL Server, Redis, Agile Scrum, Microservices, RabbitMQ, Docker, AWS, Cloud

Graduated with a GPA of 3.82 in Information Technology from Sepuluh Nopember Institute of Technology, I am deeply passionate about programming, problem-solving, and collaborative work. As a Software Engineer, I am known for being a fast learner, creative thinker, and dedicated professional, eager to gain valuable industry experience to enhance my technical skills and further develop my soft skills. Beyond my proficiency in programming, I bring a diverse set of talents, including organizational skills, photography, videography, and design. I am excited about the opportunity to contribute my skills and grow in a dynamic professional environment.

Education

Institut Teknologi Sepuluh Nopember - *Surabaya, Indonesia*

Bachelor's degree in information technology, 3.82/4.0

Hacktiv8 Indonesia - *Remote*

Scalable Web Services with Golang

Work Experiences

PT. Bank Rakyat Indonesia – *Jakarta, Indonesia*   Mar 2024 – Now
Backend Developer

- Assigned at BRImo Team, Developed and maintained over 10 microservices using Golang, integrating Elasticsearch for efficient logging, Kafka for real-time data processing, and Redis for caching. Created multiple flagship features, including an NFC payment system, QRIS source of fund and a loan application process, significantly enhancing app functionality and user experience.

Direktorat Pengembangan Teknologi dan Sistem Informasi ITS – *Surabaya, Indonesia*   Jul 2023 – Aug 2023
Backend Developer Intern

- Write over 28.000 lines of code, over 400 commits. I played a pivotal role in refactoring the MyITS StudentConnect web application, transitioning it from PHP Laravel to Golang for the backend while seamlessly integrating it with Next.js for the frontend. My tasks included optimizing server-side logic and API communication between the frontend and backend. This involved troubleshooting and debugging, ensuring a smooth and efficient user experience

Society of Renewable Energy ITS - *Surabaya, Indonesia*   Sep 2022 – Jun 2023
Backend Developer

- My work involves designing and implementing server-side logic for web applications. This involves working closely with frontend developers to integrate the backend with the user interface, ensuring a seamless and effective user experience. I also troubleshoot and debug any issues that may arise, ensuring that the backend functions smoothly and efficiently.

Social Economic Accelerator Lab - *Singosari, Indonesia*   Aug 2022 – Dec 2022
Backend Developer Intern

- Worked with a project manager, UI/UX designer, and frontend team to build a product for small and medium businesses in Surabaya. My responsibilities include developing fast, reliable, and secure APIs, as well as writing high-quality API documentation. I am also responsible for creating robust solutions to technical and architectural problems.

Departemen Teknologi Informasi – *Surabaya, Indonesia*

Assistant Lecturer Integration Programming   Feb 2023 – Jul 2023

Assistant Lecturer Web Programming   Aug 2022 – Dec 2022

- As an assistant in the web programming and integration programming course, I assisted with teaching, grading, and student support. I also helped develop course materials and conducted lectures. Through this role, I gained a deep understanding of web programming and contributed to the success of the course.

Organizational Experiences

Himpunan Mahasiswa Teknologi Informasi ITS – *Surabaya, Indonesia*   Feb 2022 – Feb 2023
Media Informasi

- Created over 50 in posts, designs, and videos for HMIT, includes creating engaging and visually appealing content for Instagram feeds, fulfilling design requests from other departments in a timely and professional manner, and creating weekly IT-related content for HMIT's social media. I am also responsible for capturing documentation of events held by HMIT, including taking high-quality photos and videos.

A Renewal Agent (ARA) - *Surabaya, Indonesia*   Dec 2021 - Jun 2022
Head of Design and Documentation

- Led a talented team of 10 individuals, collectively producing over 200 posts, designs, and videos for our annual event. My role encompassed creating a comprehensive design system and thematic approach for the event, providing invaluable support and guidance to team members, making critical decisions for the team's progress, and seamlessly coordinating with other divisions to guarantee the smooth execution of our events. My substantial background in design and event coordination underlines my strong commitment to ensuring the success of our annual event.

Ini Lho ITS! - *Surabaya, Indonesia*   Sep 2021 – Feb 2022
Expert Staff of Content Creator

- In my role, I conceptualized the closing video, aligning it with the event's overarching message and skillfully highlighting pivotal moments. I then directed the entire filming process, collaborating closely with the documentation staff to execute planned shots and angles precisely. Additionally, I provided direction to the actor featured in the closing video, guiding their performance.

GERIGI ITS - *Surabaya, Indonesia*   Jul 2021 – Sep 2021

Documentation Staff

- In my role as Director of Photography for the closing video, I successfully coordinated over 30 crews, ensuring the capture of exceptional footage across approximately 100 scenes during the event. My responsibilities extended to meticulously documenting key moments and collaborating seamlessly with various divisions and teams to maintain a streamlined filming process. Additionally, I collaborated closely with the editing team, contributing my expertise to shape a compelling and polished final product.

Certification & Courses

AWS Academy Cloud Architecting - *Amazon Web Services*	November 19, 2022
Back end Development and APIs – *Freecodecamp*	September 16, 2022
JavaScript Algorithms and Data Structures – *Freecodecamp*	September 16, 2022
Belajar Dasar Pemrograman JavaScript – *Dicoding*	June 17, 2022
Cloud Practitioner Essentials (Belajar Dasar AWS Cloud) – *Dicoding*	July 2, 2022
Belajar Membuat Aplikasi Back-End untuk Pemula – *Dicoding*	June 24, 2022
Belajar Dasar-Dasar Devops – *Dicoding*	April 14, 2023
Belajar Jaringan Komputer untuk Pemula – *Dicoding*	April 16, 2023

Projects

E-Commerce REST API: This project is an e-commerce API built using Express.js with user authentication and MySQL as the database. It can be integrated with other group's E-Money projects.

E-Review: A marketplace website built using Codeigniter3 and Bootstrap that allows scientific journal editors to find the most suitable reviewers and enables reviewers to search for journals to review.

Countries Database: A web application that provides users with information about all countries. It uses a public API to retrieve data about each country, and it is built using the SvelteKit and TailwindCSS web development tools.

Pendekno: A URL shortener web application using Express.js for the backend, with the EJS template engine for rendering the user interface. I used MongoDB as the database, and I styled the app using TailwindCSS.

Manifest: A website for a Business Plan Competition organized by the Business Management ITS department. We used Laravel for the backend, MySQL as the database, and Tailwind CSS for styling the frontend.

UMKMVERSE REST API: A learning business course platform dedicated for UMKM in Surabaya. The platform was built using Laravel for the API, MySQL for the database, and React for the frontend.

MyITS Student Connect: ITS Portofolio Based Student Information System. I implement Golang + Next.Js migration from the PHP Laravel codebase.

License Plate Recognition at ITS Gate: A License Plate Recognition system integrated with Institut Teknologi Sepuluh Nopember gate using YOLO Object Detection and Optical Character Recognition (OCR).