Muhammad Asman

Software Engineer

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SUMMARY

I am an enthusiastic and highly motivated Computer Science graduate specializing in Fullstack Development and Mobile Application Development using Flutter. With a solid foundation in both front-end and back-end technologies, I have developed robust, scalable, and user-friendly applications. I am passionate about problem-solving and continuously learning new tools and technologies to stay current in the fast-evolving tech landscape. I am eager to bring my technical skills, attention to detail, and dedication to a dynamic development team.

EXPERIENCE

Back End Developer
Ganesha Operation

- Developed microservices architecture, using golang and nest js

Front End Developer | Freelance
PT. Pilar Teknologi Artifisia

- Developed a responsive web application using React.js, reducing page load time by 40% and improving user engagement by 25%.

Full Stack Engineer
Refactory - Agit Gaya Motor

Developing a Gaya motor purchasing and trading system application. I use the C# programming language to develop applications such as add feature scheduler send an email, and add it feature update end date with blazor and C# in AGIT project. I also contribute to ensuring the application runs well by creating unit tests.

Full Stack Enginner
Refactory - Portal Vendor MPM

Portal application for Vendors, both individuals and companies, to view and bid on the procurement to be held. To make it easier for vendors to bargain and buy procurement before meeting procurement suppliers. I contributed to UI creation and feature development in the vendor details section, accept tnc and nda, some global components like radio buttons, tabulation, some icons. We use microservice architecture with .Net Framework and Vue JS

Mobile Developer
Refactory - Mytok MPM HRIS

I was part of a team responsible for developing an HR management application for MPM Company. The application was built as a mobile solution using Flutter, utilizing the BLoC (Business Logic Component) architecture to efficiently manage the application's state. This architecture allowed us to maintain a clean separation between the presentation layer and business logic, resulting in a more scalable and maintainable codebase. The app was designed to streamline HR processes, improve employee management, and enhance overall productivity for the company.

Full Stack Engineer
Refactory - Sev 2

I was involved in the development of Sev 2, a mobile project management application for Refactory Company. My role included contributing to the creation of Remote Procedure Calls (RPC) on Supabase, as well as working on the mobile application using Clean Architecture principles. By implementing Clean Architecture, we ensured a clear separation of concerns, making the app more modular, scalable, and easier to maintain. This allowed us to build a robust project management solution that could handle complex business logic efficiently while maintaining high performance.

Backend Engineer
Refactory - BSI KTB Portal

I worked on a project for BSI (a procurement system), where I was responsible for developing middleware and APIs to support a new service. The development was carried out using the .NET framework, ensuring smooth integration between various systems and facilitating efficient data flow. The middleware served as a bridge, enabling communication between different services and ensuring the new service could function seamlessly within BSI's existing infrastructure. My contributions to this project helped improve the procurement processes and supported the company in streamlining its operations.

Full Stack Engineer
Refactory - Tempo

I played an active role in the development of the Tempo news portal project. My responsibilities spanned across building the backend API using Golang, as well as handling the frontend by implementing the design through slicing and integrating it with the backend. By using Golang for the API, we ensured high performance and scalability, while Vue.js was utilized on the frontend to create a responsive and dynamic user interface. My contributions helped streamline the development process and deliver a seamless, high-performance news portal for users.

Front End Engineer
Refactory - Front Desk

Frontdesk.ID is a management application designed to optimize front desk operations in various types of businesses. The app offers a primary feature for managing event, allowing users to organize their eventseasily and efficiently. Additionally, Frontdesk.ID includes a feature for scheduling appointments, facilitating quick coordination and meeting arrangements. The package notification feature enables users to track and receive notifications about incoming packages, ensuring that all deliveries are properly received and managed. This application is designed to enhance productivity and efficiency in front desk management.

We develop this app with golang as backend and Vue3 for the Frontend.

Mobile Developer
Refactory - Hanoman

I was involved in the development of the mobile application for Hanoman Indonesia System, a leading sales monitoring solution for validating work programs in FMCG companies and other industries. The app includes a wide range of features, including attendance tracking, live GPS tracking, HR system management, sales reporting, and an analytics dashboard. I contributed to this project by developing the mobile application using Flutter and implementing the BLoC (Business Logic Component) architecture. This approach allowed us to create a robust, scalable, and responsive app, ensuring seamless performance for end-users while effectively supporting business operations.

Front End Engineer
Refactory - MPM BTL Finance

I played a key role in developing a finance management application for MPM, focusing on building services for the approval process and integrating seamlessly with AHM services. The development was carried out using the .NET framework and Razor for the frontend, ensuring a robust and scalable solution. By working on the approval services and integration, I helped streamline financial workflows and enhance connectivity between MPM and AHM systems, ultimately improving the efficiency and reliability of the financial management processes.

Full Stack Engineer
System Prediction Stock Mask

I created an application for predicting mask stock levels using Python, the Flask framework, and Deta, a NoSQL database. The app was designed to provide accurate stock predictions based on historical data and trends, helping to optimize inventory management. I implemented the Fuzzy Mamdani method to handle the uncertainty and imprecision in the data, making the stock forecasting more reliable. By leveraging Flask for building the backend, Deta for handling the database, and the Fuzzy Mamdani approach for decision-making, the system offered a lightweight yet scalable solution. My work ensured that the app could efficiently process and analyze data, delivering timely and precise stock forecasts to support better decision-making.

Full Stack Engineer
System Prediction Wood Management

Odoo Enginner
Refactory - GT Virtuz

I was involved in an Odoo project aimed at enhancing the recruitment module. My contributions included creating a cron job to automate the sorting of recruitment statuses, overriding the register function to customize its behavior according to

specific business needs, and developing a translation module to support multilingual capabilities. These improvements helped streamline the recruitment process and made the module more adaptable and user-friendly across different languages.

QA Automation
Refactory - Mytok MPM HRIS
In this mobile project, I was responsible for developing and implementing automated testing solutions using the Robot Framework. The primary goal was to ensure the overall quality and stability of the application by automating various test scenarios. I also focused on monitoring the app's performance and regularly conducting regression tests. This approach allowed us to detect bugs early, improve test coverage, and ensure that the application remained efficient and reliable across different updates. Whenever bugs were discovered during testing, I actively participated in investigating and identifying the root cause within the codebase for this mobile project. By automating the testing process and collaborating on bug fixes, I helped the team increase productivity, reduce manual effort, and improve the speed of releases.

EDUCATION

Informatic
Universitas Alma Ata - Bachelor's Degree - GPA : 3.8

CERTIFICATES

GOOGLE COURSERA - Dasar-Dasar Dukungan Teknis ↗

DICODING - Menjadi Front-End Web Developer Expert ↗

DICODING - Belajar Fundamental Front-End Web Untuk Pemula ↗

DICODING - Belajar Dasar Pemrograman Web ↗

DICODING - Belajar Membuat Aplikasi Web Dengan React ↗

DICODING - Belajar Dasar Pemrograman Javascript ↗

DICODING - Belajar Fundamental Front-End Web Development ↗

SKILLS

Laravel
Nest Js
Code Igniter 4
Golang
Flutter
Odoo
Vue
Node Js
Python
SQL
Svelte
.NET Framework
ROBOT Framework (Automation)

LANGUAGES

Indonesia	Native	English	Basic