

MUHAMMAD SYAMSUL ARIF

MOBILE ENGINEER

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SUMMARY

I am a Mobile Engineer with strong expertise in building cross-platform mobile applications using Flutter for Android and iOS. Throughout my career, I have contributed to impactful projects, including application modernization, scalable UI design systems, CI/CD automation, analytics implementation, and collaboration with cross-functional teams to deliver high-quality products.

Beyond mobile development, I actively research and implement AI-powered solutions, including agentic workflows and developer productivity tools, to streamline software development processes and improve engineering efficiency. I enjoy exploring the practical application of Large Language Models (LLMs) and AI automation to solve real-world engineering challenges.

With a Bachelor's degree in Informatics Engineering and a passion for continuous learning, I strive to build clean, maintainable, and scalable software while leveraging emerging technologies to create greater impact.

WORK EXPERIENCE

Mobile Engineer, Catalyst

Oct 2023 - Jun 2026

- Revamped the Voila application to improve its performance, structure, and user experience.
- Developed and maintained cross-platform mobile applications for Android and iOS using Flutter, ensuring consistency and reliability.
- Collaborated closely with cross-functional teams, including designers, backend engineers, and product managers, to define design and deliver new features that align with business goals.
- Performed comprehensive testing and debugging across multiple devices and OS versions to ensure stability, performance, and high-quality user experience.
- Integrated various third-party libraries and APIs to enhance application functionality, improve development efficiency and support new business needs.
- Managed and maintained CI/CD pipelines using GitHub Actions
- Implemented Live Shopping features to enhance customer engagement and purchasing experience.
- Refactored the Google Maps location module, optimizing API usage and reducing operational costs.
- Contributed to code quality improvement by refactoring legacy code
- Established analytics infrastructure for user behavior tracking and business insights.
- Researched and designed AI-powered agentic workflows to improve software development processes

Mobile Engineer, Majoo Teknologi Indonesia

Jun 2022 - Jul 2023

- Developed an internal package for the design system, designed to be used consistently across various Majoo POS application projects, with a focus on development efficiency, UI consistency, and ease of integration.
- Collaborated closely with the team to design the structure and architecture of the design system package, ensuring the code is reusable, maintainable, and easy to understand for other developers who use the package.

- Implemented a new design for the Point of Sale (POS) application by adopting the latest design system package, resulting in a more modern, consistent, and company-standard-compliant user interface.
- Performed comprehensive code reviews across the entire mobile app team to maintain code quality, prevent potential bugs, and promote best practices in mobile app development.

Mobile Developer, PT.MitraComm Ekasarana Channel Solutions

Dec 2021 - Jun 2022

- Maintained and enhanced a digital wallet application project with a focus on writing efficient, readable, and scalable code to ensure long-term maintainability.
- Collaborated closely with third-party partners in analyzing, designing, and implementing new payment features in the digital wallet application to ensure smooth integration, security compliance, and alignment with business requirements.

Mobile Developer, PT.Logika Daya Perkasa

Jun 2021 - Dec 2021

- Developed a talent search application based on business requirements and designed the app architecture using a clean code and maintainable approach through collaborative discussions with the mobile team.
- Collaborated with the design team to ensure the implementation of user interface and user experience aligned with design principles, consistent aesthetics, and optimal functionality.
- Integrated backend services using REST APIs, ensuring smooth data exchange according to standard protocols, with comprehensive error handling and performance optimization.

Internship Mobile Developer, BPRS Patriot Bekasi

Aug 2020 - Sep 2020

- Developed a cross-platform mobile application for gold ownership financing using Flutter, enabling users to manage their gold-based investments, monitor transactions, and perform financing-related activities in a user-friendly interface.
- Translated UI/UX designs from Figma into responsive and reusable Flutter widgets
- Actively collaborated with backend developers to define and design RESTful API endpoints

EDUCATION

Bachelor of Informatics Engineering

Sep 2017 - Apr 2021

Krisnadwipayana University

- Thesis on "Comparison of Multinomial Naive Bayes, Support Vector Machine, and Random Forest Classifier Algorithms for Classifying Indonesian-Language SMS Spam".

Software Engineering

Jul 2014 - Aug 2017

Teratai Putih Global 2 High School Bekasi

- Final project "Developed a web-based library book catalog application using CodeIgniter and Bootstrap".

ADDITIONAL INFORMATION

- **Technical Skills:** Mobile App Development, Beginner Data Science, Dart, Flutter, Kotlin, Java, Python, Laravel
- **Languages:** English, Bahasa Indonesia
- **Certifications:** Machine Learning with Python for Beginner (DQLab), Belajar Machine Learning untuk Pemula (Dicoding), Belajar Prinsip Pemrograman SOLID (Dicoding), Mastering Flutter (BuildWithAngga), Memulai Pemrograman dengan Kotlin (Dicoding), Belajar Membuat Aplikasi Flutter untuk Pemula (Dicoding), Belajar Membuat Aplikasi Android untuk Pemula (Dicoding)
- **Awards/Activities:** UI/UX Competition 2020 Bank Syariah Patriot Bekasi