

Profile

Experienced Mobile App Developer with over 3 years of experience in Flutter and Dart. Possesses in-depth knowledge of BLE communication, RESTful APIs, and Firebase. Experienced in managing the entire agile development cycle—from concept to publishing and maintenance in the Google Play Store and/or Apple App Store. Passionate about creating user-friendly apps with high performance and a focus on sustainable, clean code.

Muhammad Syafiq Adib Afham

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Education

Bachelor of Science (B.Sc.), Power Engineering & Renewable Energy

Hochschule Mannheim,
Mannheim, Germany
Sep. 2018 - Jul. 2022

Diploma in Product Design & Manufacturing Engineering

German-Malaysian Institute,
Bangi, Malaysia
Jan. 2015 - Dec. 2014

Skills

LANGUAGES & FRAMEWORKS

- Flutter (Dart)
- React.js
- Next.js
- Javascript
- Typescript
- Java
- HTML
- CSS

TOOLS & PLATFORMS

- GitLab
- GitHub
- Codemagic
- GitHub Actions
- Firebase
- JIRA
- Isar (NoSQL)

DESIGN & PROTOTYPING

- Figma
- Adobe XD
- Adobe Photoshop

Work Experience

MOBILE APP DEVELOPER

POWERJames GmbH, Mannheim, Germany

Jan. 2023 - Present

- Led the full development lifecycle of the company's Charge S App (iOS & Android) using Flutter, including requirements analysis, UI/UX design, development, and publishing to app stores.
- Designed and implemented a custom Bluetooth Low Energy (BLE) communication protocol for device connectivity, ensuring reliable data transfer and control.
- Integrated RESTful APIs to provide seamless backend connectivity, enabling real-time updates and remote control features.
- Responsible for managing the app release process, including the use of App Store Connect, Play Console, Firebase App Distribution, and TestFlight to distribute development and production apps.
- Collaborated closely with product managers and cross-functional teams to define features, prioritize backlog items, and shape the user experience.
- Established and maintained robust CI/CD pipelines with GitLab and Codemagic, significantly improving release quality and deployment efficiency.
- Worked closely with product management and other stakeholders to define features, prioritize the backlog, and ensure project transparency through sprint planning and technical documentation.
- Reduced manual QA efforts and improved reliability by automating BLE test scenarios (connectivity, start/stop charging, and charging status) with Testsigma.

MOBILE APP DEVELOPER

Webfactor media GmbH, Würzburg, Germany

Oct. 2022 - Jan. 2023

- Developed cross-platform mobile applications with Flutter for iOS and Android, focusing on seamless API integration and UI implementation from client designs.
- Designed and maintained reactive state management using MobX to handle complex UI interactions.
- Worked within an agile Scrum team
- Utilized Upsource for code reviews and version tracking, ensuring high-quality, maintainable code.

SPECIALTIES

- BLE Communication
- RESTful APIs
- State Management (Riverpod, MobX, Provider)
- CI/CD
- App Store Deployment
- UI/UX Best Practices

SPOKEN LANGUAGE

- **Malay:** Native
- **English:** Proficient
- **German:** Good written and spoken German skills (C1)

Projects

INTERVAL TIMER

A personal app that functions as an interval timer, demonstrating the implementation of Google's Material 3 UI and modern Flutter design practices.

BACA

An educational mobile app designed to help kids learn the alphabet through fun and interactive games. It is developed in Java for native Android.

MOBILE APP DEVELOPER (THESIS)

Bold Brains Productions GmbH, Walldorf, Germany

Mar. 2022 - Jun. 2022

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- Designed and developed a cross-platform podcast mobile app with Flutter and Riverpod, showcasing a strong understanding of UI/UX and API integration.
- Partnered with a senior full-stack developer to refine backend integration, ensuring a smooth and functional user experience.

INTERN - SOFTWARE DEVELOPMENT (EVANS CHARGING ECOSYSTEM)

Mercedes-Benz AG, Stuttgart, Germany

Sep. 2021 - Mar. 2022

- Developed simulation tools for EV fleet charging optimization using Python.
- Conducted research on smart grids and network simulation.
- Integrated data for eCost Calculator, eCharging Planner, and EQ Ready App with Adobe Analytics.
- Supported the European tool launch and prepared analytical reports for product owner.

FREELANCE MOBILE APP & UI DESIGNER

SWEGO, Kuala Lumpur, Malaysia

Jun. 2021 - Sep. 2022

- Designed mobile app UI with Adobe XD, including style guides and user flows.
- Collaborated with product owner and developers to refine app features.
- Delivered prototypes, marketing posters, and branding materials.