

Ardian

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SUMMARY

I am Ardian, a Software Engineer with a strong foundation in software development and a deep focus on frontend engineering. I have experience designing and building responsive, user-friendly interfaces that enhance usability and accessibility. While I possess a broad understanding of the software development lifecycle, my expertise lies in crafting intuitive frontend solutions that align with both user needs and business goals. I am passionate about clean, maintainable code and committed to continuously improving both technical and creative skills in the ever-evolving field of web development.

EDUCATION

Syiah Kuala University

Expected Agustus 2025

Bachelor of Science in Computer Science (GPA: 3.52 / 4.00)

Banda Aceh, Aceh

- **Relevant Coursework:** Web Development, Frontend Development, Backend Development, DevOps, Mobile App Development

EXPERIENCE

Bangkit Academy

Feb 2024 – Jun 2024

Mobile Development

Online

- Developed expertise in mobile development using Kotlin, including hands-on projects creating dynamic and responsive Android applications.
- Worked collaboratively on a capstone project, Fintrack, creating a financial app for SMEs and integrating machine learning models for expense categorization and financial analysis, including forecasting.
- Enhanced problem-solving skills by tackling real-world mobile development challenges, optimizing app performance, and ensuring user-friendly interfaces.

PROJECTS

Silent Script | *Educational Game Application for Sign Language Learning*

- Designed a responsive and user-friendly interface using Figma, tailored for language learning accessibility.
- Implemented the interface using Kotlin to ensure a smooth and interactive user experience on Android devices.
- Developed application logic centered around a game-based learning approach for individuals with hearing impairments.
- Incorporated a machine learning model and into the application interface to support real-time recognition and feedback.
- Integrated the backend API to connect the application with a centralized database for storing user data and progress.

SIPEDAS | *Employee Information System for Aceh Social Service Department*

- Developed web-based employee management system for Aceh Social Service Department using Express.js and Node.js.
- Built comprehensive database architecture using MongoDB with optimized query performance.
- Implemented secure authentication system with role-based access control for different user levels.
- Created approval workflow system for employee data updates with status tracking functionality.
- Integrated data validation mechanisms to ensure data integrity and prevent duplicates.

Fintrack | *Financial App for SMEs*

- Developed a customized financial management application for small and medium-sized enterprises (SMEs).
- Implemented machine learning models for expense categorization and financial analysis, including forecasting.
- Integrated these models into the Android application, enabling users to track and analyze their financial data.
- Implemented user account functionality to store and manage financial records and history.

- Added data visualization feature within the application to provide better understanding of financial trends and user spending patterns, including forecasting to assist users in planning their finances for the future.

Euran Waste Management System | *Integrated Waste Payment Project with Laravel*

- Developed an integrated waste management system called "Euran" using the Laravel framework.
- Implemented features for users to pay waste collection fees and manage their payments seamlessly within the application.
- Designed a user-friendly interface for users to register, log in, and view their payment history.
- Integrated with local payment methods or offline payment options to facilitate waste collection fee payments.
- Developed a dashboard for waste collectors to view scheduled collections, update collection status, and generate reports.
- Implemented a notification system to alert users and waste collectors of upcoming collections and payment deadlines.
- Utilized geolocation services to optimize waste collection routes and schedules for efficient operations.
- Ensured scalability and maintainability of the application by following best practices in Laravel development.

TECHNICAL SKILLS

Languages:Kotlin, JavaScript, TypeScript, PHP, HTML, CSS

Technologies: React.js, Laravel, Node.js

Designing: I find pleasure in the process of designing, where I can combine creativity, precision, and strategic thinking to create something unique and meaningful.

ORGANIZATIONAL INVOLVEMENT

Vice Chair of Communication & Information, Informatics Student Association	2023
<i>Syiah Kuala University</i>	<i>Banda Aceh, Aceh</i>

- Led communication and information efforts to strengthen organization engagement and visibility.
- Planned and implemented creative strategies to enhance organization activities and events.
- Created and managed the Instagram presence for Informatics (@hmif.fmipausk), ensuring compelling and relevant content to increase interaction with members and wider audience.
- Collaborated with other departments to ensure smooth coordination and achievement of organizational goals.

Member of Research and Development Informatics Student Association	2024
<i>Syiah Kuala University</i>	<i>Banda Aceh, Aceh</i>

- Engaged in research and development activities, contributing to the advancement of student-led projects.
- Collaborated with fellow members to explore new ideas and technologies for innovative projects.

Member of Student Representative Council (DPM)	2024
<i>Syiah Kuala University</i>	<i>Banda Aceh, Aceh</i>

- Participated in student governance and representation activities within the university.
- Contributed to policy discussions and decision-making processes affecting student welfare.
- Served as a liaison between students and university administration to address student concerns.