

Fajry Ariansyah

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Summary

A dedicated computer science student at Syiah Kuala University (USK), with a deep interest in programming, editing, and problem-solving. Holding a GPA of 3.79, I have achieved various outstanding accomplishments in both academic and extracurricular activities. Actively engaged in multiple organizations, I have gained experience in teamwork, problem-solving, and have led project teams on several occasions.

Education

Syiah Kuala University Jan 2026
Bachelor of Science in Computer Science (GPA: 3.79 / 4.00) Banda Aceh, Aceh

- Relevant Coursework:** Data Structures and Algorithms (C/C++ and Java), Data Mining, Networking, Software Development, Cloud Computing

Experience

Frontend and Mobile Developer Aug 2025 – Present
Alphareds Solution Remote

- Developed and maintained mobile application features using React Native, integrating web-based React modules into the app and adapting them for optimal mobile performance and usability.
- Implemented end-to-end features based on SRS and Figma designs, including complex booking flows for theme parks, cable cars, hotels (GP & Comp Room), and dining/lifestyle services in the Genting eLeisure platform.
- Managed client-side state and data fetching using Zustand and TanStack Query, applying caching strategies and lazy loading to improve performance and reduce unnecessary re-renders.
- Collaborated with PMs to clarify requirements and handle evolving scopes, ensuring timely and accurate feature delivery across multiple environments (DEV, SIT, UAT, PROD).

Software Developer Feb 2022 – Sep 2025
Freelance

- Proficient in creating bespoke solutions for web and mobile platforms, employing a versatile stack including PHP, Laravel, CodeIgniter, React JS, and Next.js for web projects, as well as React Native for mobile applications.
- Collaborated closely with clients to understand their needs and translate requirements into functional and user-friendly interfaces, ensuring alignment with project objectives and user expectations.
- Demonstrated adaptability by successfully delivering projects across various industries, ranging from e-commerce platforms to content management systems, while adhering to best practices and industry standards.

Teaching Assistant Feb 2025 – Jun 2025
Software Engineering Project (Proyek Perangkat Lunak) Syiah Kuala University

- Instructed students on backend development concepts using Node.js, AdonisJS, Express, and Django, emphasizing RESTful API design and best practices in backend architecture.
- Conducted code reviews and mentoring sessions to enhance students' understanding of backend frameworks, database integration, and software engineering principles.

GIS Developer Intern Oct 2024 – Mar 2025
Bappeda Kota Banda Aceh Banda Aceh, Aceh

- Built a thematic development mapping system (GIS-based) for the Banda Aceh City Government to support spatial planning and development monitoring.
- Managed and digitized thematic development data collected through field surveys conducted directly by the team.
- Developed features to visualize development progress on an interactive map and manage geospatial data within the system.
- Collaborated with local government staff to align the system with real administrative and planning needs.

Teaching Assistant Aug 2024 – Dec 2024
Software Development and Operations (Pengembangan dan Operasional Perangkat Lunak) Syiah Kuala University

- Implemented Jira for project management training, teaching students agile methodologies such as Scrum and Kanban, including creating user stories, managing sprints, and tracking issue lifecycles.
- Conducted hands-on workshops on Docker, enabling students to containerize applications, manage dependencies, and deploy scalable solutions in real-world scenarios.
- Introduced GitHub Actions for CI/CD pipelines, guiding students in automating testing, building, and deployment workflows.

Bangkit Academy

Feb 2024 – Jul 2024

Cloud Computing

Online

- Led a capstone project team, ensuring all tasks were completed on time and maintaining high quality and standards.
- Initiated, designed, built, and maintained a financial application integrated with machine learning.

Google Developer Student Clubs

Oct 2023 – Jul 2024

Academic and Developer Staff

Syiah Kuala University

- Led the development of Backend systems for various projects within GDSC USK, ensuring efficient and scalable solutions.
- Collaborated with students to brainstorm, plan, and execute innovative projects, fostering creativity and teamwork within GDSC USK.
- Facilitated workshops and seminars on advanced topics such as cloud computing and software architecture, enriching the learning experience of club members and the wider university community.

Teaching Assistant

Feb 2023 – Jun 2023

Programming

Syiah Kuala University

- Assisted in teaching C and Python programming languages in the context of Operating Systems, equipping students with essential programming skills for system-level development and scripting tasks.

Projects

Training Code Center | *Code Training Platform* | <https://github.com/fadhrr/TCC-Backend>

- Technologies used: Docker, FastAPI, Firebase, MySQL, GCP Compute Engine.
- Engineered a robust platform for competitive programming and education within the Coders community.
- Integrated FastAPI, Firebase, and MySQL for a dynamic and scalable infrastructure.
- Orchestrated deployment on GCP's Compute Engine, ensuring high availability and performance.

FinTrack | *Financial Tracking Application for MSMEs* | <https://github.com/FinTrack-BangkitCapstone2024>

- Technologies used: Express, Firebase, GCP, Docker.
- Developed a financial tracking application for MSMEs.
- Designed and built a complex backend integrating Express and Firebase.
- Integrated a Machine Learning team's API model, providing RESTful APIs and comprehensive documentation.
- Implemented data storage and management solutions using Firebase and GCP.
- Utilized Docker for containerization to ensure consistent development and production environments.

Pulo Aceh Tourism App | *Mobile-based Tourism Information System* | *Available on Playstore*

- Technologies used: React Native (Expo), Google Maps, FastAPI, SQLite, Next.js.
- Built and published a mobile application to promote tourist destinations in Pulo Aceh.
- Integrated Google Maps API to provide interactive location-based navigation and information.
- Developed a FastAPI backend with SQLite for lightweight and fast data access.
- Implemented an admin dashboard using Next.js for content management and data updates.
- Released publicly on Google Play Store to support local tourism in Aceh.

Technical Skills

Languages: Python, C, C++, PHP, React Native, Javascript, Golang, Java

Technologies: Docker, Git, MySQL/MariaDB, MongoDB, Firebase, Laravel, Flask, FastAPI, React JS, React Native, Nodejs, Next JS, AdonisJS, Echo, Bootstrap, Tailwind, AWS EC2, Google Cloud Platform (GCP), Azure, ChatGPT

Concepts: Object-Oriented Programming (OOP), Software Development, Micro Services, REST API, Cloud Computing, Machine Learning, Data structures, Data Visualization, Dynamic Programming, Graphs Theory

Hobbies

Reading: Enjoys reading and learning about technology, software engineering, and cloud computing.

Gaming: Enjoys playing Valorant, chess, and eFootball as a way to relax and improve strategic thinking.

Workout: Stays active and maintains physical health through regular exercise.