

# Farhan Raditya Aji

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Final-year Informatics Engineering student at Institut Teknologi Bandung (ITB) specializing in Software Engineering. Experienced in developing scalable backend systems and full-stack applications using Java (Spring Boot), Go, and Node.js. Proven track record in delivering enterprise solutions through professional internship and complex academic projects. Passionate about cloud infrastructure, microservices, and blockchain technology.

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## EDUCATION

### Institut Teknologi Bandung | Informatics Engineering

2022 – 2026 (Expected)

- GPA 3.35

## EXPERIENCES

### Software Engineer Intern | PT. Akhdani Reka Solusi

June 2025 – September 2025

- Designed and developed the Project Management Module for "AHER" (Akhdani HR), centralizing project tracking and task management for the company's internal operations.
- Engineered a scalable backend using Java Spring Boot, implementing RESTful APIs and optimizing database interactions with PostgreSQL and LeafDB.
- Created complex database schemas to handle Work Breakdown Structures (WBS), task hierarchies, and master data management.
- Collaborated with the UI/UX team to implement responsive frontend interfaces using Thymeleaf and Bootstrap, ensuring a seamless user experience.

### IT Associates | Google Developer Groups on Campus ITB 2025

April 2025 – October 2025

- Developed and implemented the entire RESTful API backend for the Google Developer Groups on Campus (GDGoC) ITB Learning Management System (LMS), supporting core functionalities like user management, course delivery, and event handling.
- Designed and built a task submission system, including a Command Line Interface (CLI) tool published globally via npm, to facilitate efficient and standardized problem set submissions for users.
- Collaborated with the core technical team to integrate the backend services with the frontend and ensure seamless data flow and system performance.

### Software Engineer | Bandung Tennis Enthusiast (BEAST)

January 2025 – May 2025

- Built a web-based community platform to digitize membership, event management, and trainer note-taking processes using Vue.js (TypeScript) and Node.js.
- Implemented secure user authentication and authorization using JWT and Google OAuth 2.0.
- Designed and managed the database using PostgreSQL and Prisma ORM, ensuring data integrity for member and event records.
- Deployed the application using Docker and set up CI/CD pipelines for automated testing and deployment.

### Staff of Career Development Division | Himpunan Mahasiswa Informatika (HMIF) ITB

August 2024 – July 2025

- Designing career mentoring programs with alumni to facilitate career development for ITB Informatics and system information students.
- Coordinating with alumni speakers to deliver career development insights for students.
- Create a booklet of internship testimonials from seniors for third year students who will soon be undergoing internships

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## PROJECT

### Citizen Reporting System

January 2026

- Developed a scalable Microservices platform with Go (Golang), Docker, and Nginx.
- Built an event-driven system using RabbitMQ and secured data with AES-256 encryption.
- Implemented real-time observability and utilized PostgreSQL & MongoDB for data management.

### BlockTicket DApp

December 2025

- Engineered a decentralized ticketing platform using Solidity and Hardhat, featuring restricted ERC-721 contracts and algorithmic price caps to eliminate scalping.
- Built a custom Oracle service with Bun (Hono) to facilitate off-chain KYC verification and real-time exchange rates.
- Developed a comprehensive DApp frontend using React.js and TypeScript, integrating secure QR code redemption and an escrow-based resale marketplace.

### Direblo

December 2025

- Engineered a decentralized diploma verification registry on Ethereum Sepolia, developing Solidity smart contracts for immutable record-keeping and role-based access control.
- Developed a secure dApp using Next.js and IPFS, implementing hybrid cryptography (AES-256 & SHA-256) to ensure data privacy and integrity.

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## **ADDITIONAL INFORMATION**

- Programming Languages: Python, C++, C, Go, Java, JavaScript, TypeScript, Dart, Kotlin.
- Frameworks & Libraries: Spring Boot, Node.js, Express.js, Hono, React.js, Next.js, Vue.js, Flutter, Tailwind CSS, Bootstrap, Hardhat.
- Databases & Infrastructure: PostgreSQL, MongoDB, Docker, Nginx.
- Tools: Git (Github/Gitlab), DBeaver, Vercel, Figma, Postman.
- Languages: English, Indonesia.