

Muhamad Rumi Rifai

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PROFILE

A Computer Science graduate from Padjadjaran University specializing in backend systems and fullstack development. Proven experience in architecting scalable server-side solutions, developing efficient RESTful APIs, and deploying cloud infrastructure. Eager to bring strong technical problem-solving skills to a dynamic engineering team.

EDUCATION

Computer Science

Padjadjaran University

Aug 2022 – Aug 2026 | Sumedang, Indonesia

- **GPA:** 3.80/4.00
- **Undergraduate Thesis:** Classification of Cognitive Load in Heart Rate Sensor-Based Online Learning Using a CNN-LSTM Model.
- **Activities:** Programming Teaching Assistant (mentored 50+ students) & Active Contributor at Informatics Student Association.

PROFESSIONAL EXPERIENCE

IT Support Intern (Web Developer)

PT Mahat Masagi Unpad Holding

Dec 2025 – Feb 2026 | Bandung, Indonesia

- Engineered a web-based prototype, "Ngatour by MMU", using HTML, CSS, and JavaScript with a Multi-Page Application architecture to automate mass travel ticket bookings.
- Implemented an automated Excel data parsing and validation feature utilizing SheetJS, significantly reducing manual data entry errors for mass participant processing.
- Designed a Maker-Approver authorization workflow and integrated a simulated e-wallet dashboard to monitor budget allocations and expenditures across university faculties.

Backend Developer (Freelance)

Himatif Apps | Himpunan Mahasiswa Teknik Informatika UNPAD

Feb 2025 – Nov 2025 | Sumedang, Indonesia

- Engineered RESTful API endpoints and maintained core backend services for the official student association website, ensuring high availability for hundreds of active students.
- Managed MySQL database architecture by executing schema updates and routine backups to preserve data integrity and optimize system performance.

Cloud Computing Cohort

Bangkit Academy led by Google, Tokopedia, Gojek, & Traveloka

Sep 2024 – Dec 2024 | Bandung, Indonesia

- Architected and deployed a scalable backend API using Go and PostgreSQL on Google Cloud Platform (Cloud Run, Cloud SQL) for a cross-functional capstone project.
- Applied containerization and CI/CD principles to streamline deployment workflows, validating expertise through the completion of 40+ technical labs on Google Cloud infrastructure.

PROJECTS

Becycle

Tech Stack: React.js, Express.js, Flask

Feb 2025 – Jun 2025

- Developed a collaborative waste management web application by integrating a dynamic React.js frontend with dual backend services built on Express.js and Flask.
- Implemented core user-facing features including dynamic submission forms and a marketplace interface to facilitate recyclable waste exchange.

Wawacan Digital

Tech Stack: FastAPI, Python, SvelteKit

May 2025 – Jun 2025

- Engineered a RESTful API using FastAPI for a historical manuscript preservation platform, implementing efficient search, filtering, and pagination endpoints.
- Developed a responsive frontend with SvelteKit to consume backend services and deliver a seamless, accessible reading experience for researchers.

SKILLS

Languages & Frameworks: JavaScript, TypeScript, Python, Node.js, Express.js, NestJs, FastAPI, React.js, GraphQL, HTML5/CSS3

Databases & Cloud: MySQL, PostgreSQL, Google Cloud Platform (GCP), RESTful API

Tools & Testing: Git, Docker, Jest (Unit Testing), NPM, CI/CD

AI & Developer Productivity: AI Coding Agents (Antigravity/Cursor), Model Context Protocol (MCP), Agentic Workflows