

# Fahmi Ramadhan

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## EDUCATION

### Universitas Indonesia

*Bachelor's degree in Computer Science*

- Current Cumulative GPA: 3.86/4.0

Jul 2022 — Present

*Depok, West Java, Indonesia*

## EXPERIENCE

### Front End Engineer Intern

PT. Bodha Padma Nawadhya (a subsidiary of Hastari Corp)

- Developed a custom ERP platform consisting of a Next.js web app and a Flutter mobile app.

Aug 2025 — present

*South Jakarta, Indonesia*

### Teaching Assistant

Faculty of Computer Science, Universitas Indonesia

- **Algorithm Design and Analysis** (Jul 2025 - Present): Taught a class of 20 students through weekly worksheet discussions on correctness proofs, time analysis, D&C, recurrences, decision trees, order statistics, DP, greedy algorithms, and NP-completeness; supervised labs and graded assignments.
- **Programming Foundations 2** (Jan 2025 - Jun 2025): Created OOP assignments, supervised lab sessions, graded homework, lab assignments, and quizzes.
- **Data Structures and Algorithms** (Jul 2024 - Jan 2025): Created lab problems on graphs and AVL trees, mentored 16 students with programming assignments, supervised exams and lab sessions, and conducted tutoring sessions.
- **Discrete Mathematics 2** (Jan 2024 - Jun 2024): Created graph connectivity assignments, graded assignments, supervised exams and lab sessions, and conducted tutoring sessions.
- **Discrete Mathematics 1** (Aug 2023 - Dec 2023): Created logic assignments, graded assignments, supervised exams and lab sessions, and conducted tutoring sessions.

Aug 2023 — Jun 2025

*Depok, West Java, Indonesia*

### Software Engineer

COMPFEST

- Designed and implemented the main landing page, attracting over 102,000 visitors.
- Built backend APIs and frontend features for user profiles, booking system, events, and staff recruitment pages.

Feb 2024 — Nov 2024

*Depok, West Java, Indonesia*

### Vice Head of IT & Broadcast

OKK UI 2024

- Co-led 5 staff members in creating a campus life orientation website to provide information about orientation activities, group assignments, and orientation mission submissions.
- Successfully delivered the website, which served over 9,000 new students throughout the orientation period.

Jun 2024 — Aug 2024

*Depok, West Java, Indonesia*

## PROJECTS

### Full-Stack Web Developer, RELIC - Repository of Early Literary and Indigenous Codices

[relic.id](https://relic.id)

- Collaborated with the Philology Department of the Faculty of Cultural Sciences (Fakultas Ilmu Pengetahuan Budaya), Universitas Indonesia, to develop relic.id, a digital platform that preserves and promotes Indonesia's cultural heritage.
- This project won 1st Place in the Student Creativity Program in Science and Technology Application (PKM-PI) OIM UI 2024.

### Full-Stack Web Developer, Temanusa - Temu Manuskrip Nusantara

[temanusa.com](https://temanusa.com)

- Collaborated with the Philology Department of the Faculty of Cultural Sciences (Fakultas Ilmu Pengetahuan Budaya), Universitas Indonesia, to develop Temanusa, a search engine designed to help people easily and quickly find information about Indonesia's ancient manuscripts from various collections. Built using Elasticsearch for robust and scalable search capabilities.

### Full-Stack Web Developer, Mutari

[github.com/Mutari-App](https://github.com/Mutari-App)

- A comprehensive travel planning platform that helps users find, create, customize, and share itineraries with friends and family, as well as book tour packages directly for a seamless travel experience.

## SKILLS

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- **Programming Languages:** JavaScript, TypeScript, Python, Java, Go, Dart, SQL, PHP
- **Technologies:** React, Next.js, Spring Boot, Express.js, NestJS, Flutter, Django, Laravel, PostgreSQL, tRPC, Tailwind CSS, Git, UNIX, Docker, Google Cloud Platform, ElasticSearch, SonarQube, JUnit, Jest
- **Languages:** Bahasa Indonesia (Native), English (Intermediate)