ALIFA HANANIA ARDHA

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SUMMARY

Final year Computer Science student at Universitas Indonesia with extensive experience in full-stack development. Proven track record of delivering secure, scalable web applications using modern technologies including Next.js, Django, Spring Boot, and PostgreSQL. Experienced in agile development methodologies, microservices architecture, and database design. Strong background in academic support as a teaching assistant and organizational leadership in student organizations.

EDUCATION

University of Indonesia, Faculty of Computer Science **Depok**
Bachelor in Computer Science, GPA: 3.72 / 4.00 **July 2022 - Present**
Relevant Coursework: Software Engineering, Database Systems, Machine Learning, Data Mining

TECHNICAL SKILLS

Languages: Java, Python, Go, SQL, JavaScript, HTML, CSS
Frameworks: Django, Spring Boot, Gin, Next.js, Nuxt.js, Vue, Flutter, Tailwind CSS, Bootstrap
Databases: PostgreSQL, Supabase, Neon
Tools: Git, GitHub, Docker, Kubernetes, Vercel, Fly.io, Postman, SonarCloud, Sentry
Design: Figma, Draw.io

PROJECT EXPERIENCE

PantauTular, *Full-stack Developer* **March 2025 - June 2025**
- Developed infectious disease surveillance web application for BRIN to monitor disease outbreaks across Indonesia
- Built full-stack solution using Next.js frontend and Django REST API backend with PostgreSQL database
- Collaborated in 7-member agile team across 4 sprints, implementing SOLID principles, design patterns, and automated testing pipeline
- Delivered complete system with technical documentation for seamless client handover
- **Technologies**: Next.js, Django, PostgreSQL, GitHub, Sonarcloud, Sentry, Postman, Draw.io, Notion, Scrum

Watchlog, *Full-stack Developer* **July 2025 - Present**
- Developed personal movie and series tracking application inspired by Letterboxd, with features for watchlist management, viewing diary, ratings, and public landing page to showcase favorites
- Developed Vue.js frontend with Tailwind CSS and Go backend using Gin framework connected to PostgreSQL database
- Implemented authentication and authorization system using JWT for secure user access and CRUD operations
- Designed and deployed responsive UI/UX for seamless browsing experience on desktop and mobile
- **Technologies**: Vue.js, Tailwind CSS, Go (Gin), PostgreSQL, GitHub

BrewForce Attack, *Full-stack Developer* **March 2025 - May 2025**
- Built security-focused microservices web application following OWASP Top 10 guidelines in 5-member team
- Developed Next.js frontend and Spring Boot backend with separated authentication service architecture
- Deployed containerized application using Docker and Kubernetes on university server infrastructure
- **Technologies**: Next.js, Spring Boot, Docker, Kubernetes, GitLab, Postman, Draw.io, Burp Suite

IAST Connect, *Full-stack Developer* **June 2024 - July 2024**
- Delivered alumni networking platform for Ikatan Alumni Sang Timur client in 4-member agile team
- Built responsive web application using Next.js frontend and Django backend with intuitive UI/UX design
- Created user interface prototypes using Figma for stakeholder alignment and seamless user experience
- **Technologies**: Next.js, Django, GitHub, Figma

UlasBuku, *Full-stack Developer* **September 2023 - December 2023**
- Developed cross-platform book review application with web and mobile interfaces in 6-member team
- Built Django REST API backend with unified authentication serving both web and Flutter applications
- Created responsive web frontend and mobile app with consistent cross-platform user experience
- **Technologies**: Django, HTML, CSS, Flutter, GitHub

ADDITIONAL EXPERIENCE

ORGANIZATIONAL EXPERIENCE

Forum Ukhuwah dan Kajian Islam Fasilkom UI, *Internal Control Staff* **January 2025 - Present**
- Coordinated bidding process (fit and proper test) for Executive Board positions and SIWAK NG committee, ensuring transparent

candidate selection
- Managed stakeholder communication between bidders and panelists while serving as MC and timekeeper during evaluation sessions
- Ensured objective and orderly selection process through systematic procedural oversight

Forum Ukhuwah dan Kajian Islam Fasilkom UI, *Human Resource Development Staff*   **August 2023 - January 2024**
- Executed human resource development programs to enhance organizational capacity and member engagement
- Led "Remember Your Friend" (RYF) initiative, improving cross-functional collaboration and member networking
- Served as liaison between HR Development and IT Force division, streamlining interdepartmental communication and project coordination

TEACHING EXPERIENCE

Faculty of Computer Science, University of Indonesia, *Database Teaching Assistant*   **January 2025 - June 2025**
- Assisted in Database Systems course covering relational database concepts, database design methodology, SQL programming, and database management systems
- Collaborated with Database lecturers and teaching assistant team to develop comprehensive assessment materials including quizzes, tutorials, and group projects aligned with academic standards
- Evaluated and provided constructive feedback on assignments for 100+ students, contributing to improved learning outcomes
- Delivered academic support through responsive consultation on coursework and lecture materials

Faculty of Computer Science, University of Indonesia, *Discrete Mathematics 1 & 2 Teaching*   **January 2024 - January 2025**
Assistant
- Assisted in Discrete Mathematics courses covering logic and proofs, set theory, combinatorics, graph theory, number theory, and mathematical reasoning fundamentals
- Created comprehensive assessment materials and grading rubrics in collaboration with faculty team
- Evaluated 10+ student assignments with constructive feedback to enhance mathematical reasoning skills
- Facilitated exam preparation through structured review sessions covering quizzes, midterms, and finals