NAUFAL ICHSAN

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SUMMARY

Motivated and Fast-learner Computer Science student at Universitas Indonesia with a strong foundation as a software engineer, working across full-stack development and cloud-native DevOps. Proficient in Python, Java, JavaScript, and Go with hands-on experience using Django, Spring Boot, and Next.js. Experienced with Docker, Kubernetes, and GitHub Actions for CI/CD. Demonstrates a solid understanding of system design principles, including scalability, availability, and fault tolerance, applied in real-world projects. Known for strong communication, adaptability, and problem-solving skills, backed by technical depth and a continuous drive to learn emerging technologies.

EDUCATION

Universitas Indonesia   Depok, West Java

Bachelor of Computer Science, Faculty of Computer Science, cGPA: 3.69/4.00   2022 - 2026

- Relevant Coursework: Software Engineering, Computer Network, Platform Based Programming, Data Structure & Algorithm, Web Architecture, Operating System, Human & Computer Interaction

EXPERIENCE

PT Tani Bersama Estate   Jakarta, Indonesia

Software Developer   May 2025 - Current

- Ensured app stability and responsiveness by resolving crashes and performance bottlenecks.
- Improved code quality and team consistency through active participation in code reviews and documentation using Git and pull request workflows.
- Delivered seamless UI and API integration by collaborating closely with designers and backend engineers.
- Accelerated feature delivery by building and maintaining Kotlin-based Android apps using clean architecture and best practices.

PT Pejuang Indonesia Cerdas   Jakarta, Indonesia

Software Engineer   January 2025 - May 2025

- Boosted API response efficiency by 30% through scalable RESTful design with DRF.
- Improved submission performance by 60% via Redis + Celery batch processing.
- Achieved 100% uptime using blue-green deployment strategy.
- Secured system with SSL, rate limiting, and Nginx reverse proxy hardening.
- Cut environment setup time by 80% through CI/CD automation.
- Collaborated in an agile team using Git, Jira, and SCRUM, contributing to system architecture, code review, and delivery.

Faculty of Computer Science, Universitas Indonesia   Depok, Indonesia

Teaching Assistant   August 2023 - May 2025

- Tutored 50+ students in core CS topics (OOP, DSA, and systems programming), strengthening foundational technical skills.
- Designed 15+ lab sessions and provided live coding support, cutting common errors by 40%.
- Conducted 100+ mock interviews with tailored feedback, improving student outcomes and readiness.
- Boosted student scores by 20–30% through focused prep and hands-on learning.

LEADERSHIP & ACTIVITY

BEM of Faculty of Computer Science, Universitas Indonesia
Creative Media Staff

Depok, Indonesia
April 2023 - April 2024

- Strengthened BEM Fasilkom UI's branding by designing and producing visual content and official videos across social media, websites, and campaigns.
- Boosted audience engagement and brand recognition through consistent, high-impact media and creative content strategy.
- Collaborated with cross-functional teams to ensure cohesive communication and unified branding across departments.

PROJECT

Osbanas - Fullstack Scalable Quiz Platform   January 2025 - June 2025

Django REST Framework, Next.js, Postgresql, Prometheus, Redis, Celery, Grafana, Docker, Cloud, Linux, Github Actions

- Built a fullstack quiz platform using Django (90%+ test coverage) and Next.js with real-time webcam/audio features for cheating detection; reduced submission latency by 60% with Redis and Celery.
- Streamlined CI/CD and deployment using Docker Compose, GitHub Actions, and blue-green strategy, achieving 100% uptime and 80% faster environment setup.
- Hardened system security with HTTPS (Certbot), Nginx reverse proxy, rate limiting, and added real-time observability using Prometheus and Grafana.

Walet – Full-Stack Financial Management Platform   January 2025 - April 2025

Django REST Framework, Next.js, Postgresql, Docker, Kubernetes, Cloud, Linux, Gitlab Actions

- Built a secure budgeting platform with RESTful APIs and integrated email microservices for user verification and transaction notifications.
- Designed and implemented features to support project-based financial tracking and secure multi-user workflows.
- Developed as part of a web security course, with a focus on secure authentication, input validation, and penetration test readiness.

TECHNICAL SKILLS

Languages: Python, Java, Kotlin, JavaScript, TypeScript, Go
Frameworks & Libraries: Django, Spring Boot, Next.js
DevOps & CI/CD: Git, Docker, Kubernetes, GitHub/Gitlab Actions, Nginx, Certbot
Databases & Caching: PostgreSQL, MongoDB, Redis
Monitoring: Prometheus, Grafana
Cloud & Infra: Cloud-native Development, System Design
Development Practices: Agile (Scrum), TDD, Microservices, Clean Architecture, Design Pattern

LANGUAGES & INTEREST

Languanges: Indonesian (Native), English (Professional Working), Japanese (Limited Working)

Interests: Software Development, Cloud Infrastructure & DevOps, System Design, AI for Software Solution