Riccardo

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Education

Bina Nusantara University, Bachelor of Computer Science
GPA: 3.57/4.0

Experience

Fullstack Engineer, PT Indotama Teknologi Inovasi   Feb 2025 – Present
- Developed and deployed web applications integrating **AI-powered document processing** to automate data extraction and accelerate data entry workflows.
- Developed and deployed a **customizable e-stamping platform**, enabling users to apply digital stamps and define reusable document layouts.
- Created and deployed distributed **AI extraction workflows** using **Ray framework** to parallelize document processing, achieving up to **90% performance improvement** on large documents.
- Created and managed **Kubernetes-based infrastructure** for development and production.
- Created and maintained **CI/CD pipelines** with GitHub Actions for reliable, automated deployments and scaling.
- Implemented observability with **Prometheus**, **Grafana**, **Loki**, and **OpenTelemetry** to improve monitoring, logging, and tracing.
- Optimized cloud costs by **30%** through **dynamic node scaling** and scheduled scale-down strategies using **Terraform**.

Application Developer, Enrichment SOCS at BINUS University   Feb 2024 – Feb 2025
- Developed a web application for BINUS University to manage EPC (Enrichment Program Course) approval workflows.
- Developed a web application for CV generation and job recommendations with Natural Language Processing to power the job recommendation API.

Coding Assistant, Software Laboratory Center at BINUS University   Feb 2023 – Feb 2025
- Managed the end-to-end process of creating and standardizing quizzes, exams, and projects to maintain academic consistency and technical accuracy accross multiple classes.
- Coordinated lecturers and lab assistants to ensure aligned lab subject delivery.
- Taught various courses including Business Application Development, Data Structures, Algorithms, and Database Systems.
- Participated in 5+ self-development programs covering Game Programming (Unity), Full Stack Web Development (ReactJS, Go, GraphQL), Desktop Development (NextJS, Electron), Networking (Nginx, Ubuntu Server, Docker, Cisco Packet Tracer, Kubernetes), and Mobile Development (Kotlin, Android Studio).

Certifications

Certified Kubernetes Application Developer (CKAD)

Meta Android Developer

Skills

Languages: HTML, CSS, JavaScript, TypeScript, Java, Go, Kotlin, SQL, Python
Frameworks & Libraries: React, Angular, Next.js, Tailwind CSS, Spring Boot, Laravel, Express.js, Flutter
Databases & APIs: MySQL, PostgreSQL, Firebase, GraphQL, REST APIs
DevOps & Cloud Tools: Docker, Kubernetes, Terraform, GitHub Actions, CI/CD, Git
Monitoring & Observability: Grafana, Prometheus, Promtail, Loki, OpenTelemetry
AI & Distributed Computing: Ray Framework