

Riccardo

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Education

Bina Nusantara University, Bachelor of Computer Science

Sept 2021 – Feb 2025

GPA: 3.57/4.0

Experience

Fullstack Engineer, PT Indotama Teknologi Inovasi

Feb 2025 – Present

- Built web applications integrating **AI-powered document processing** to automate data extraction and accelerate data entry workflows.
- Designed and developed a **customizable e-stamping platform**, enabling users to apply digital stamps and define reusable document layouts.
- Used **React** and **Angular** for frontend development, **Spring Boot**, and **Laravel** for backend services.
- Developed and deployed distributed **AI extraction workflows** using **Ray framework** to parallelize and speed up document processing at scale. 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

- Added new features and debugged existing issues in web application built with VueJS, ReactJS, and Laravel, ensuring smooth functionality and an enhanced user experience.
- Developed a web application for CV generation and job recommendations using Nextjs for both frontend and backend, Prisma as the Database Management, and Flask with Natural Language Processing to power the job recommendation API.

Coding Assistant, Software Laboratory Center at BINUS University

Feb 2023 – Feb 2025

- Standardized the creation of quizzes, exams, and project criteria to ensure academic and technical quality.
- Supported smooth execution of lab subjects by maintaining high educational and technical standards.
- 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)

August 2025 - August 2027

Meta Android Developer

October 2024

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

Platforms: Android