

Rayhan Putra Randi

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Education

Universitas Indonesia

Bachelor's Degree, Computer Science
GPA: 3.75 / 4.00

Depok, Indonesia
June 2021 — Present

Experience

Sprint Asia

Software Engineer Intern

Jakarta, Indonesia
Jan 2024 — June 2024

- Worked on company's chatbot service MVP based on **Python's spaCy** library and **FastAPI** framework.
- Integrated chatbot service with **Qiscus's** omnichannel platform, improving service accessibility.
- Increased user experience by developing revision lists to allow users to rollback to specific bot configurations.
- Sped up development by defining concrete schemas using **Pydantic** for API request bodies to reduce errors in development and debugging.

Universitas Indonesia

Teaching Assistant, Advanced Programming, CSCM602223

Depok, Indonesia
Jan 2024 — June 2024

- Helped students develop their skills building software that adheres to industry's best practices through simulated agile development environment.
- Emphasized **SDLC** and **TDD** principles, clean code, security, and concurrency for end of semester projects.

Teaching Assistant, Platform Based Programming, CSGE602022

Aug 2023 — Dec 2023

- Oversaw and guided capstone projects building production ready web apps with focus on asynchronous programming and **RESTful APIs** for its mobile app counterparts.
- Responsible for creating assignments and tutorials, grading, and templates for Django/Flutter projects.

Projects

MAAMS

Feb 2024 — May 2024

- Worked within a **scrum** team to develop classroom based assignment evaluator.
- Developed extensive REST API using **Python's Django Rest Framework** and **PostgreSQL**.
- Created fully automated **CI/CD** pipeline utilizing **Docker** with **GitLab CI/CD**.
- Extensive focus on **SOLID** principles, **test-driven development**, and clean code with **SonarCloud**.
- Used story point estimation using the Fibonacci and scrum poker method.
- Regular standups, sprints, retrospectives, and task estimation.

Series Progress Tracker

Feb 2023 — June 2023

- Worked within a scrum team to develop **microservice** based web application using **Spring Boot MVC**.
- Developed RESTful APIs for its token-based authentication using **JWT**.
- Emphasized integrated and automated **unit testing** ensuring maintainability and minimal tech debt.
- Configured **CI/CD** pipeline, containerization, and deployment for its authentication microservice.
- Set up **profiling** using Prometheus and Grafana for performance monitoring and optimization.

SiSehat

Aug 2022 — Dec 2022

- Worked within a team to develop more accessible healthcare and consultation through a web application.
- Developed API views with role-based access using Django with custom made user-roles for its web and mobile application.
- Worked on its mobile counterpart using Dart with Flutter that fetches data using aforementioned API views for its authentication and authorization among many others.

Technical Skills

- **Programming:** Python, Java, SQL, JavaScript/TypeScript, Rust
- **Tools:** Linux, Git, GitLab CI/CD, Docker, GCP, PostgreSQL, MongoDB, RabbitMQ, Jira, SonarCloud
- **Frameworks/Libraries:** Django, FastAPI, Spring Boot, JUnit, Mockito, Selenium
- **Communication:** Indonesian (Native), English (Fluent, TOEFL ITP 650/CEFR C1 Level)