

# RAYHAN PUTRA RANDI

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## EDUCATION

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### Universitas Indonesia

Bachelor of Computer Science

Cumulative GPA: 3.83/4.00

Relevant Coursework: Platform Based Programming, Data Structures & Algorithm, Computer Networks, Operating Systems, Databases, Advanced Programming, Algorithm Design & Analysis, Software Engineering

Depok, Indonesia

Jul 2021 – Present

### SMA Labschool Jakarta

Natural Sciences

Jakarta, Indonesia

Jul 2018 – Jul 2021

## EXPERIENCE

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### Universitas Indonesia

Teaching Assistant for Platform Based Programming, CSGE602022

• Responsible for creating unit tests for coding assignments, grading, and setting up templates for various Django/Flutter projects.

Jakarta, Indonesia

Aug 2023 – Present

## PROJECTS

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### Series Progress Tracker

- Worked within a scrum team to develop microservice based web application using Spring Boot MVC.
- Developed REST API using Java Spring and Hibernate ORM for its token-based authentication using JWT.
- Extensive focus on integrated and automated unit testing ensuring maintainability and minimal tech debt.
- Responsible for configuring CI/CD pipeline with GitLab CI/CD using Docker, deployed on Google Cloud Platform (GCP).
- Set up profiling using Prometheus and Grafana for performance monitoring and optimization.

Jun 2023

### SiSehat

- Worked within a team to develop solutions for 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.
- Implemented feature where doctor role can see complaints from various patients regarding their health and give feedback accordingly using JQuery and AJAX for its web application.
- Created backend for its mobile counterpart using Dart with Flutter that fetches data using aforementioned API views for its authentication, authorization, and said doctor role feature.

Dec 2022

## VOLUNTEERS

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### COMPFEST 14

Staff of HRD, Operational Division

- Worked closely with Person In Charge and Vice Person In Charge to recruit suitable candidates.
- Organized various activities for team bonding purposes to maximize teamwork.

Depok, Indonesia

Mar 2022 – Nov 2022

### PERAK FASILKOM UI

Staff of Competitive Games

- Organized a three month long game competition for 24 teams.
- Responsible for streaming each match into YouTube using Streamlabs.

Depok, Indonesia

Jan 2022 - May 2022

## TECHNICAL SKILLS

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**Programming Languages:** Java, Python, SQL, JavaScript/TypeScript, Go, Dart

**Tools:** Linux, VSCode, Git, NPM, GitLab CI/CD, PostgreSQL, Postman, SonarQube, Docker, GCP

**Frameworks/Libraries:** Spring Boot, Django, Express, React, Flutter, JUnit, Mockito, Selenium

**Languages:** Indonesian, English