

## Professional Summary

Recent informatics engineering degree graduate from Universitas Negeri Malang with proficiency in various programming languages such as Python and Golang. Throughout my studies, I have successfully completed numerous projects, ranging from machine learning to backend applications. I developed REST APIs to integrate third-party services with back-office applications and ensured optimal application performance by monitoring and addressing latency issues when I got my work experience as a backend engineering intern at Bank Aladin. In addition, I have hands-on experience with Google Cloud Platform services through Google Cloud Skill Boosts, and together with my team, we achieved a top 68 ranking out of 787 product capstone teams. Eager to apply my theoretical knowledge and practical expertise in a professional setting, I am now seeking opportunities to contribute and grow as a valuable member of a friendly and supportive team.

## Work Experience

<b>Cloud Computing Cohort</b>	<b>Bangkit Academy</b> Remote, Indonesia	<b>February 2023-July 2023</b>
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Bangkit Academy is an apprenticeship program jointly offered by the Ministry of Education, Google, GoTo, and Traveloka. As a part of the Cloud Computing cohort, I gained valuable knowledge and hands-on experience in various Google Cloud Platform services, including computing, machine learning, big data, and networking services. Towards the end of the program, I collaborated with five students from the Mobile Development and Machine Learning paths to build a capstone project. My key contributions during the program include:

- Built a REST API that integrates with a mobile application using Golang.
- Implemented Google Cloud Platform services client libraries in Golang, such as Firestore and Cloud Storage.
- Deployed and maintained the REST API using Cloud Run and Cloud Monitoring.
- Being recognized among the top 68 product capstone projects out of 787 submissions.
- Graduated with distinction within the Cloud Computing path cohort.

<b>Backend Engineering Intern</b>	<b>Bank Aladin</b> Jakarta, Indonesia	<b>May 2022–August 2022</b>
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Bank Aladin is the first digital bank operating under sharia principles in Indonesia. During my internship, I had the following responsibilities:

- Integrated time deposit service with the back office application by developing a REST API using Golang.
- Ensured REST API performance below 3 seconds by utilizing Jaeger tracing to inspect application latency.
- Observed deployed code using Cloud Logging on Google Cloud Platform.
- Maintained code quality and coverage through unit testing.

<b>Backend Engineering Apprentice</b>	<b>Generasi Gigih 2.0</b> Remote, Indonesia	<b>February 2022–July 2022</b>
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Generasi Gigih empowers Indonesia's tech talent by offering a 6-month program filled with impactful activities, including software engineering practices, soft skill development, take-home tasks, internships, and a capstone project. As a Backend Engineering student, I achieved the following during my study period:

- Acquiring proficiency in the Ruby programming language and building a simple web server using Sinatra, as well as a REST API using Ruby on Rails.
- Being selected as one of the internship awardees out of more than 200 students from the backend engineering learning path.

## Education and Certifications

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| • <b>B.Eng. Informatics Engineering (3.75 GPA)</b> , Universitas Negeri Malang, Indonesia. | <b>2019–2023</b> |
| • <b>Associate Cloud Engineer</b> , Google.  | <b>2023</b>      |

## Technologies and Languages

- Languages: Python, Golang
- Technologies: Git, MySQL, MongoDB, Cloud Run, Docker, Firestore, Cloud Storage, Cloud Pub/Sub, NSQ, RabbitMQ, Kafka, Prometheus
- Other: Data structures and algorithms

## Projects & Achievements

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### Recoffeery

<https://github.com/Bangkit-C23-PS414>

2023

Recoffeery is a mobile application that aids coffee farmers in detecting coffee leaf diseases. This mobile application was submitted as the Bangkit Academy 2023 product capstone project and was selected as one of the top 68 capstone projects among 787 submissions.

During the project, my responsibilities included:

- Developed a REST API using Golang to store images on Cloud Storage and Firestore.
- Provisioned cloud infrastructures on the Google Cloud Platform, including Firestore, Cloud Run, and Cloud Storage.
- Conducted application monitoring through Cloud Monitoring.

### Siberpunk

<https://siberpunk.web.app/>

2023

Siberpunk (*Sistem Berantas Pemalsuan Dokumen Akademik*) is an application designed to detect document forgery by identifying illusive texts and embedded fonts. During the project, I undertook the following responsibilities:

- Experimented with various message queues, including Kafka, RabbitMQ, and NSQ, to optimize memory consumption and processing time.
- Developed the server-side application using Golang and integrated various technologies such as MongoDB, MinIO, and Docker.
- Instrumented and observed the server code with Prometheus for efficient performance monitoring.
- Conducted load testing using Apache JMeter to assess the backend application's performance under different conditions.
- Supported infrastructure provisioning and monitored the deployed application on the Google Cloud Platform.