

Experience

Autodesk, Senior Software Engineer

November 2022—Present | Singapore, Singapore

- Developed internal platform for automated resource provisioning on cloud platforms (**AWS**) using IaC technologies like **Terraform**, **Kubernetes**, **Spinnaker**, and **Jenkins**.
- Developed internal tools for services and resources monitoring, automated deployments, and maintenance using **Go**, **Python**, and **Shell** that interact with **AWS** services.
- Maintained and migrated backend services from manual deployments on **AWS EC2** to automated pipelines using IaC and utilizing **Docker** and **AWS ECS**, which increased service performance by 10% and reduced the service latency.

Shopee, Database Engineer

October 2021—November 2022 | Singapore, Singapore

- Focused on database deployment, maintenance, and operations. Worked on deployment of distributed database systems using **MySQL** and **TiDB** with **Kafka** for data synchronization.
- Implemented tools for database monitoring and deployment automation using **Go**, **Python**, and **Shell** with **Jenkins**.
- Worked on maintenance of servers both on cloud technologies (**GCP**) and on-premise bare metal **Linux** servers.

Oy! Indonesia, Software Engineer Intern

January—March 2021 | Jakarta, Indonesia

- Implemented a secure login and session management system based on 2FA and OTP, implemented a soft-ban and hard-ban mechanism. Utilized **Java Guice**, using both **PostgreSQL** and **Redis**.

GDP Labs, Software Engineer Intern

June—August 2020 | Jakarta, Indonesia

- Worked on implementation of custom data fields using relational database and **NoSQL** database. Created a demo application using **ReactJS** and **Java Spring**. Did load tests comparing performances.

Bukalapak, Software Development Engineer Intern, Backend

June—August 2019 | Jakarta, Indonesia

- Worked on backend microservices using **Ruby on Rails** and **Go**, created and maintained **REST API** endpoints.

Agate International, Game Programmer Intern

July—October 2018 | Bandung, Indonesia

- Created browser based games using the **Phaser 3** framework with **JavaScript**.

Institut Teknologi Bandung, Distributed System Laboratory Assistant

August 2019—July 2021 | Bandung, Indonesia

- Laboratory assistant focusing mainly on Computer Architecture, Operating Systems, Networks, and Distributed Systems.

Projects

OSKM ITB 2020 Web Application & Game | Web Application & Browser Game

September 2020

- A web application with basic learning management system features. Utilized **Go** with **Gin**, **Typescript** and **ReactJS**, **Phaser 3**, **GCP**, and **NGINX**. Used by 4500 users during the OSKM ITB 2020 event.

Link Shortener | Website

October 2019

- A link shortener website built using **ReactJS** and **Go**, accessible at sh.aidilriski.tech.

Vigenere Cipher | Android Application

February 2019

- An **Android** application implementing the Vigenere Cipher method to encrypt and decrypt messages, developed using **Java** and **Android Studio**.

Education

- **Institut Teknologi Bandung**, *B.S. in Informatics*
Cumulative GPA: 3.75 / 4.00

August 2017—July 2021 | Bandung, Indonesia