

# Hazlan Muhammad Qodri

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## SUMMARY

A passionate programmer, I am eager to challenge myself to do things I've never accomplished before and I strive to learn and improve on my skills every day. Highly motivated to learn something new. I always keep telling myself to become the best version of myself anywhere and any time, to focus up, to push myself at the highest limit, and keep moving forward no matter what happens.

## TECHNICAL SKILLS

**Languages & Tools:** Python, TypeScript, Node.js, Golang, Java, JavaScript, HTML, CSS, ReactJS, NextJS, Tailwind, Springboot, ExpressJS, FastAPI, Flask, OpenAPI, Rest API, MySQL, Postgresql, MongoDB, Sequelize, Hibernate, Bash, Shell, Git, Docker, Kubernetes (k8s), Google Cloud Platform Services, AWS, Vercel, Heroku, CI/CD (Cloud Build, Jenkins, Github Action), Firebase, Terraform, Unit Testing, Postman, Trello, Jira, Linux, Nginx, Data Studio, Tableau, Elasticsearch, BigQuery

## WORK EXPERIENCE

### Software QA Engineer

PT Bank CIMB Niaga Tbk

February 2023 – June 2023

*I had an Internship in CIMB Niaga x Kampus Merdeka Batch 4 Program and my contributions are:*

- Responsible for creating and managing **test script scenarios** across multiple projects
- Responsible for validating and reviewing the testing result while in **System Integration Testing (SIT) and User Acceptance Testing (UAT)** phases
- Carry out tests and perform appropriate analysis, including **defect management** also identifying **system requirements from multiple System Design documentaries**
- Handling one or two test scripts for **robotic/automation testing using .NET in Silk Test Workbench**
- Working on some data analytic projects using Excel and visual basic in order to fulfill the head of the testing management department's request

### Backend and Cloud Engineer

TeDi (Teman Disabilitas)

July 2022 – January 2023

*TeDi, the first all-in-one accessibility social start-up in Indonesia, has been successfully selected as the top 15 in Capstone Project Bangkit Academy 2022 and received an incubation fund of IDR 140 million from DRTPM and Google to help people with disabilities through machine learning-based android applications. As both founder and software engineer at TeDi (Teman Disabilitas), my responsibilities are:*

- Building Competencies in **ExpressJS Nodejs Framework** and **FastAPI Python Framework** on Backend Process to scaffolding and create mobile application and web application with Scrum Process using **Trello** within **6 months** of application development stage
- Modelled **Sequence and Activity Diagram** for System Design, **ERD and EER Model from Database Development (MySQL Workbench 8.0)** and with aid from **DBSchema and DrawIO** in 1st week of work
- Operated DevOps using **Linux and Docker** and eliminating unnecessary workload around producing by **40%**
- Implemented Clean Architecture and Microservices REST API for Website Application and Mobile Application using **NodeJS and TypeScript** and connected it to **MySQL and Firestore** using **Sequelize ORM and MongoDB ODM**
- Planned (in development stage) REST API for deploying Machine Learning model using **FastAPI**
- Managing and maintaining the **Google Cloud Platform Service Infrastructure** of 2 TeDi projects
- Responsible for deploying the **Development server** with **Docker Container, Heroku, and Vercel**. And the **Production server** with **App Engine, Compute Engine, Cloud Run, Cloud SQL, and Nginx**
- Created **Request and Response Model** API Documentation (20 routes of endpoints) with **Swagger** and tested it with **Postman**
- Collaborated with the 2 departments (android and front end developer team) for connecting the API and with the machine learning engineer team for volunteering in taking features data set and model deployments
- Aligned with product manager to audited all information in System Design Documentation (**Flow, Technical Section, Acceptance Criteria, Database Impacted, API Docs, and Services Specification**) and cut down Bangkit Incubation's Administration paperwork (**Mentoring Document, International Research Journal, and Final Report**) by **60%**
- Provided regular reports regarding the finished or ongoing tasks to the mentor and product manager everyday
- **Volunteered** as **Event Organizer, Public Relation, Zoom Operator, and Certificate Designer** in TeDi Summit 2022: Grand Launch Event, as a result we gained 100 more users and led to 4.9 review score in Google Play Store
- **Volunteered** as **Surveyor, Event Organizer, and Researcher**, in TeDi's FGD (Forum Group Discussion) event with SLB-A Budi Nurani, Sukabumi City, as a result we achieved the top 5 teams in incubation's deliverable 2 scoring

## IT Support

UNDRTD PAPS

May 2021 – May 2022

*I had an part-time job in a retail company placed on Bandung, and my responsibilities as IT Support are:*

- Single-handedly manage and maintain the server, include creating the website UI/UX, network, and hosting on AWS (Using S3 bucket and Route 53)
- Supervise the development of web application
- Manage multiple resources from multiple teams to coordinate according to the goals
- Increase product sales on Shopee with product showcasing and backlinks

## EDUCATION

**UPN Veteran Yogyakarta** – B.C.S (S.Kom) in Computer Science

Sept 2019 – Aug 2023

Grade: 3.70 / 4.00

Coursework: Data Structures, Algorithms, Web Development, Database Design, Linux OS, Networking, Design Pattern, Distributed System, Cloud Computing

**Bangkit Academy By Google, Tokopedia, Gojek & Traveloka** – Cloud Computing Learning Path

Feb 2022 – July 2022

Grade: 96.85 / 100

Deploy applications, monitor operations, and manage enterprise solutions with these specializations: Basic Website and Backend Fundamental, Google IT Automation with Python, Google Cloud Computing Foundations, Architecting with Google Compute Engine, From Data to Insights with Google Cloud Platform, Google Cloud Skills Boost (17 Badges), Soft skill Class: Time Management, Professional Communication.

Achievements:

- Chosen as the **Top 15 Best Product Capstone Team** Semifinalist out of 437 Teams.
- **Graduated with Distinction** and Top 10% students in Bangkit 2022 program
- **Top 1,000** performing students in English courses & tests
- **200 Most Active** Students in the ILT session (Tech, Softskills, and English)
- Active Student during Weekly Consultation

## PROJECTS

- Twitter's Sentiment Analysis About The COVID-19 Vaccine Policy with the Naïve Bayes Algorithm.
- Flood Alarm System with Telegram API, NodeMCU, and Water Level Sensors
- Automatic COVID-19 detection system with proximity and temperature sensors using Cloud Computing Technology
- Bookstore Backend API application with PostgreSQL, sequelize, and ExpressJS
- KampusmerdekaV4 web application for listing all mitra information detail in Batch 4 period

## VOLUNTEERING & ORGANIZATIONAL EXPERIENCE

**Web and Cloud Curricula Team**

Google Developer Student Club

September 2022 – Present

*Helping students bridge the gap between theory and practice*

- Taught and assisted members on their journey to finishing the JuaraGCP Season 8
- Learned how to use docker to containerize application to improve performance and time when developed an app
- Coded REST API using Express and NodeJS

**Staff of Web Development**

Information Technology Club UPNVY

April 2021 – September 2021

*Brainstorming university projects and experiment*

- Learned how to use Javascript DOM and ReactJS in 2 months

## AWARDS & ACHIEVEMENTS

**Graduated with Distinction Google Bangkit Academy 2022** | Cloud Computing Path | Feb – July 2022

One of Bangkit **Distinction Graduates** from **300 out of 3100 student nationwide** for **Cloud Computing** Learning Path

## LICENSES & CERTIFICATIONS

Certified Google Cloud Architect [open](#)

Dicoding

December 2022

Certified Google Cloud Engineer [open](#)

Dicoding

December 2022

Advanced Insights with BigQuery [open](#)

Coursera

September 2022

Crash Course on Python [open](#)

Coursera

August 2022

Certified Architecting with GCE [open](#)

Coursera

April 2022

Certified Architecting on AWS [open](#)

Dicoding

March 2022

Certified Back-End & Google Cloud [open](#)

Dicoding

March 2022

Certified JavaScript Basic [open](#)

Dicoding

Feb 2022