

# HAZIQ IRFAN

## CONTACT

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018-9694876

## ABOUT

Experienced DevOps engineer and Python programmer for a large scale cloud-based system comprising more than **800,000** lines of codes. Single handedly responsible for the automating workflows and datacenter management including servers, networks, and load balancers and connectivity. I'm also a key resource in the development of Python-based REST APIs. Daily exposed in configuring tools like Docker, Flask, and bash scripting. Interested in advancing my skills by expanding into high level programming projects.

## WORK EXPERIENCE

April 2022 - Present

### → SOFTWARE ENGINEER

Schinkels Technik

Developed and maintained applications using Python and Flask, enhancing functionalities and improving user interfaces.

·Handle server maintenance and operations via SSH

·Create server scripts using Bash

·Hands-on experience with AWS Console for setting up servers, load balancers, domains, and S3 buckets

## EDUCATION

2019-2021

UITM SEGAMAT

Diploma of Computer Science

## EXPERTISE

Flask

MySQL

Bash

AWS

HTML

**EXPERT**  
**INTERMEDIATE**  
**EXPERT**  
**INTERMEDIATE**  
**INTERMEDIATE**

## REFERENCE

Zaibani Md Dom (CTO)

**010-2569368**

## PROJECT

### → UI/UX DESIGNER

- Designed user interfaces for applications using Figma, tailored to client requirements to ensure functionality and aesthetic appeal.
- Created interactive prototypes that showcased the intended application behavior, making it easier for developers to translate the design into code.

### → DEVOPS ENGINEER

- Manage AWS server
- Cloned repositories for server deployment, ensuring smooth integration of both front-end and back-end applications.
- Built React applications using yarn and npm, while Flask-based Python repositories were deployed in Flask development mode for QA environments and uWSGI for production environments.
- Automated the build process using bash scripts with tmux to handle multiple tasks efficiently.
- Set up and managed Docker containers for seamless application deployment.
- Monitored server performance, including CPU usage, storage, logs, and port utilization, ensuring optimal server operation.
- Debugged applications by viewing and analyzing logs.
- Managed cron jobs for scheduled tasks.

### → SOFTWARE ENGINEER

- Developed hundreds of RESTful APIs using Flask, integrating MySQL, Redis, and AWS S3 for scalable back-end services.
- Created Python scripts to report server storage status.
- Perform health checks that will check every applications to ensure applications are running smoothly.
- Built automation tools to send logs to Discord via webhooks for real-time monitoring.
- Documented APIs with Swagger UI and Postman.
- Locust for load testing to optimize performance.
- Created syntax and semantic classes for business processes, ensuring that inputs follow the defined rules and structure of the programming language (syntax checking) and validating the intended logic and behavior (semantic checking).
- Create AI for object and pothole detection using YOLOv3, YOLOv4, OpenCV, and DNN modules.
- Integrated APIs from third-party applications such as Mayan, Keycloak, and AWS to enhance application functionality.
- Designed and developed over 30 detailed reports using jsReport, utilizing HTML, CSS, and JavaScript, while leveraging Tailwind for consistent styling and layout, closely replicating physical paper reports.