

OMAR HASAN

SOFTWARE ENGINEER

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SKILLS

- **Programming Languages:** Python, basics of Golang
- **Backend Framework:** Django, FastAPI, Flask
- **Database:** MySQL, Firestore and PostgreSQL
- **Version Control:** Git, Bitbucket, GitHub concepts like Branching, Merge Request, Pull, Push, etc.
- **Design Patterns:** Serverless Architecture, Test Driven Development (TDD), SOLID principles, Hexagonal Architecture, Single Responsibility Principle(SRP) and DRY.
- **Cloud Knowledge:** IAM, Cloud Function, Cloud Run, Pub/Sub, Firestore, Cloud Build, Cloud Storage, Google Deployment Manager, API gateway, Artifact Registry, Cloud Spanner, Container Registry, Cloud Monitoring, External Load Balancer etc.
- **Infrastructure Knowledge:** Docker, CI/CD process such as bash script, YAML, automating build and release process, Google Deployment Manager
- **Others :** RESTful API, GraphQL, SQLAlchemy, Database Design, Django Rest Framework, Multi-tenant concept, basics of Terraform

EXPERIENCE

[Gigalogy](#) | Software Engineer Tokyo, Japan (Hybrid)

2023(Sept.) – Present

- **Built** backend microservices using **FastAPI** and **Django** framework
- **Created a robust CI/CD pipeline** which automates the **release** process of backend microservices in **Google Cloud Run**
- Built **pipeline** to add support for **Machine Learning** models in **Google Cloud Engine (GCE)**
- Framework & tools: **FastAPI, Django Rest Framework, SQLAlchemy, GitHub Actions**

[Nash fintechX](#) | Backend Engineer Luxembourg (Remote)

2023(Feb.) – 2023(Aug.)

- **Built** backend microservices using **Django** for our Block Chain products.
- **Developed Multi-tenant** based app for creating a marketplace for **NFT** Block Chain
- Created pipeline for deploying all services in **Cloud Run**
- **Mentored** junior developers to write better code in **Python**
- Framework & tools: **Django, Google Cloud Run, Artifact Registry, Cloud Build**

[UDPlatforms Inc.](#) | Software Engineer (Infrastructure) Sterling, Virginia (Remote)

2021(Nov.) – 2023

- Built **microservices** for our **No/Low Code** App Builder Platform
- Followed standard software engineering principles such as SOLID, SRP, TDD etc.
- Deployed microservices as **Function as a Service (FaaS)** using **Google Cloud Function** and **Cloud Run**
- Built **infrastructure or CI/CD pipeline** to automate the deployment of microservices, event exporting, **API Gateway, Firestore Trigger** based history function and **multiversion** based documentations

[AIW-Artificially Intelligent Workforce](#) | Jr. Software Engineer Dhaka, Bangladesh

2020 – 2021

- Worked with the backend team for developing **Robotic Process Automation (RPA)** builder in **Python**
- Built **backend microservices** using **Django Rest framework**
- Built **RPA** bots for large banks to automate their manual process using **Python** and **Selenium Webdriver**
- **Research** on **Machine Learning (ML)** based services of **Amazon Web Services (AWS)**, e.g. Textract for PDF data extraction

EDUCATION

Bachelor of Science | BRAC University

2016 - 2020

- Computer Science (CS)

PROJECTS

- [Star Hardware Online Shop](#): Online based hardware shop to purchase products. (Used: **Django, Django Rest Framework, PostgreSQL, Nginx, Unicorn, DigitalOcean**)