

Nazar Hasanov

PROFILE

nazarhasanov@icloud.com — Linkedin — Kuala Lumpur, Malaysia

Competent backend developer skilled in various cloud services, **Golang**, **Python** and its frameworks. Currently expanding my expertise in **DevOps** and **AI** development. I also have experience fine-tuning AI models, including those from **YOLOv8**, as well as building models from zero with **TensorFlow**. In addition, I have worked on front-end projects using **React** and **Next.js**. I adapt seamlessly to team dynamics and am proficient in managing my workload independently.

EXPERIENCE

Web Developer

Aug 2020 – Present

APIIT Education

Kuala Lumpur, Malaysia

- Increased efficiency and productivity in the workspace by designing and implementing an automated migration script using **Python**, **Docker**, **AWS ECS**, **ECR** and **Fargate** to transfer student data from **Oracle DB** to Moodle **LMS**, scheduled to run daily with **AWS EventBridge**. Automated the infrastructure building with **Terraform** and set up full **CI/CD** pipeline with **Bitbucket Pipeline** so that each commit a developer makes will go through standard process of software lifecycle and gets tested well enough before it can make it to production
- Improved operational efficiency and reduced admin workload by developing the Bus Scheduling System (TransiX) with **Python**, **Flask**, **Amazon RDS**, **S3**, **AWS Lambda**, and **Amazon API Gateway**. Automated schedule activations with **AWS EventBridge**, eliminating the need for manual interventions and enhancing system reliability and user satisfaction.
- Streamlined development processes by architecting a scalable and reliable development server environment on **AWS** and by using **Amazon EC2**, **Amazon RDS**, and **Amazon EFS**.

Backend | DevOps

Jul. 2024 – Aug. 2024

Drangue (Contract)

Kuala Lumpur, Malaysia

- Enhanced the scalability and reliability of the services, significantly reducing latency and improving user experience by migrating backend services and fine-tuned AI models to AWS. Introduced a robust architecture, where user requests are processed by **AWS Lambda** and sent to **AI inference** endpoints on **EC2 servers**. Automated the workflow by using **Github Actions** for **CI/CD pipeline**, **Terraform** as a **IaC** tool and **Zappa** for **AWS Lambda** configurations. Used **Amazon S3 Bucket** for managing the state of Terraform, thus simplifying the process of deploying and destroying cloud infrastructure.
- Improved security and introduced better management of user access by developing API key integration functionality for backend requests. Enabling secure and controlled access to the services and contributing to increased user trust and service adoption.

Full-Stack Developer

May. 2024 – Jul. 2024

Krunch

United States

- Contributed to the development of multiple new features for the company's MVP using **Django** for the backend and **NextJS** with **TypeScript** and **TailwindCSS** for the frontend. Hosted the backend on **Fly.io** and the frontend on **Vercel**, ensuring seamless deployment and optimized performance for a smooth user experience.
- Implemented a new feature in the admin panel utilizing **OpenAI agents**, asynchronous flows, and threading. This enhancement reduced admin workload by 60%, significantly improving operational efficiency and allowing the admin personnel to focus on higher-value tasks.

Backend Developer

Aug. 2023 – May, 2024

Net Zero Technologies FZ-LLC

Dubai, UAE

- Played a key role in the development of a cutting-edge application using **Python**, **Flask**, **SQLAlchemy**, **MySQL**, **NoSQL**, **GraphQL** and **AWS** technologies.
- Spearheaded the transition from manual to automated testing, selecting and setting up an optimal suite of tools including **PyTest** and **Postman** for API testing, which increased testing efficiency by **60 per cent** and reduced testing cycles.
- Enhanced security and efficiency by adhering to AWS-recommended best practices based on the principle of least privilege. Accomplished this by strategically configuring numerous **IAM roles** and policies through **Terraform**.

Full-Stack Developer

Aug. 2022 – Dec. 2022

TavernDao

Singapore

- Developed user-centric, cross-browser compatible, and accessibility-compliant web applications using **React**, **TypeScript**, with **TailwindCSS**, and **Chakra UI**, enhancing usability across diverse user bases.
- Streamlined real-time data synchronization and updates through seamless **Firebase** integration, resulting in improved application responsiveness and functionality. Optimized performance to deliver faster load times and a smoother user experience.

CERTIFICATES

AWS Certified: SysOps Administrator - Associate
AWS Certified: Solution Architect - Associate
Microsoft Certified: Azure Fundamentals
Oracle Certified: Foundations Associate
RunCloud Young Technovation: Cloud Practitioner Challenge

EDUCATION

Staffordshire University
BSc (Hons) in Computer Software Engineering (Dual Degree)

De Montfort University
Master of Business Administration - Digital Leadership (Dual Degree)