

Nazar Hasanov

PROFILE

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Competent backend developer with expertise in various cloud services, **Golang, Python**, and its frameworks. Currently expanding my skills in **DevOps, K8s, Cloud, and AI development** through hands-on projects and certifications from **AWS, Azure, and Oracle**. I have experience fine-tuning AI models, including those from **YOLOv8**, as well as building models from scratch with **TensorFlow**. Additionally, I have worked on front-end projects using **React** and **Next.js**.

EXPERIENCE

Cloud Engineer | Web Developer

APIIT Education

Aug 2020 – Present

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, **saving approximately 7 hours per week** by eliminating manual migration and deployment tasks.
- 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**, **saving approximately 5 hours of manual work weekly** and **reducing scheduling errors by over 90%**. Enabled staff to pre-schedule bus activations in advance, eliminating the need for weekend logins and significantly improving system reliability and user satisfaction.
- Developed and deployed a self-service system for staff to perform on-demand changes without technical intervention, leveraging **Python** and **AWS** services to ensure security and scalability. This initiative significantly reduced support overhead, cutting down the number of incoming tickets from approximately **10–20 per day to a minimal level**, and improved staff autonomy and operational efficiency across departments.

Full-Stack Developer | Growth Lead

Krunch

Aug. 2024 – Dec. 2024

United States

- Developed and maintained multiple projects using **Django** (backend) and **Next.js** with **TypeScript & TailwindCSS** (frontend), ensuring scalable and high-performance applications.
- 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.
- Spearheaded marketing automation efforts by developing a lead generation system that scraped popular social media platforms to identify potential customers, streamlining workflows, enhancing brand visibility. It **increased lead pipeline by 30%** and **reduced manual search efforts by 80%..**

Backend | DevOps

Drangue (Contract)

Jul. 2024 – Aug. 2024

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 an **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.

Backend Developer

Net Zero Technologies FZ-LLC

Aug. 2023 – May, 2024

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%** 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

AWS Certified: AI Practitioner

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)