

Mahdi Khrrousheh

Backend Engineer | Python & Django Specialist | AWS/Azure Cloud

Experiences

Digital Specialist

Freelance, Palestine (Local) [Feb 2025 – Present]

- Consulted organizations on digital transformation.
- Assessed and recommended technological tools and platforms to enhance business collaboration and productivity.
- Design and implement storage and backup plan

Software Engineer

Aeliasoft & MEGiT, Palestine-Ireland (Remote) [Mar 2024 – Feb 2025]

- Developed and maintained a healthcare quality management system focusing on data integrity.
- Designed and implemented backend systems using Python Django, including data models and database schemas.

Software Engineer & Researcher

Freelance & self-employed, Palestine (Remote) [Aug 2022 – May 2023]

- Developing websites using Python Django.
- Shared knowledge and implemented cloud-based solutions, emphasizing
- data storage, retrieval, and backup plans.
- Data analysis and theoretical research.
- Manual testing for mobile and web applications or services.

Apprenticeship

Student Intern

Official Amazon re/start program. [Aug – Nov 2022]

- Utilized AWS services (EC2, S3, VPC, IAM) to manage and process data in the cloud.
- Prepared for the AWS Cloud Practitioner Exam.

Bootcamps

- McKinsey Forward Program – Foundations of leadership, problem-solving, and digital fluency
- freeCodeCamp – JS Algorithms & Data Structures, Responsive Web Design
- EdX – LFS101x: Introduction to Linux
- Udemy – Linux for Data Engineers
- Simplilearn – Machine Learning Fundamentals
- Udacity – SQL for Data Analysts, introduction to generative ai with google cloud, attention mechanism with google cloud.

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Github.com/Khrrousheh

Tech Skills

- Languages:
Python, SQL, Java, JavaScript
- Frameworks:
FastAPI, Django, AJAX, react
- AI/ML:
OpenAI API, TensorFlow, Hugging Face, Pandas, PyTorch.
- Workflow Automation:
Shell Scripting, GitHub Actions.
- Databases:
PostgreSQL, MongoDB, Redis
- Cloud Platforms:
AWS (EC2, S3, IAM), Azure (Scrum), Google cloud
- DevOps:
Docker, GitLab CI/CD, Linux
- Architecture:
REST APIs, Microservices, Monolithic.

Education

- BSc. Computer Science
Al-Quds University | 2016 – 2020
- Industrial High School
Kufr Ni'ma secondary | 2014 – 2016

Badges

- AWS re/start Graduate
- Microsoft Trophy – 9 Technical Badges

Courses

- SQL for Data Analyst [Udacity]
- Machine Learning [Simplilearn]

Languages

- Arabic (Mother tongue)
- English (Intermediate – B2)