

Mohammed Hijazi

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Skills

Languages: C++, Bash, C#, Python, Asp.Net, React

Technologies: AWS, gRPC, GraphQL, REST, WebRTc, Git, RAG, Ollama, Linux

Databases: Neo4j, Redis, Postgresql, MS SqlServer

Frameworks & Skills: Password Cracking, FastApi, LangGraph, LiveKit, LangSmith, Langchain

Experience

Lead AI Engineer, Sol

Mar 2025 – current

- Leading and growing the engineering team to deliver generative AI products.
- Maintaining and improving existing software products to ensure reliability and performance.

AI Engineer, Reveno [freelancer - [demo](#)]

Jan 2025 – Mar 2025

- Built an AI Avatar Interviewer that joins meetings and starts questioning and interviewing the participants.

Linux Systems Engineer, ColdRelay

Dec 2023 – Jan 2025

- Automated Linux mail infrastructure deployments, reducing the provisioning time from **2 hours to 15 minutes**.
- Refactored system architecture for centralized system monitoring to improved system **observability**.
- Built event-driven systems using **AWS SQS, ECS, Cloud Watch, and Lambda**.
- Collaborated with engineering teams to diagnose and resolve production issues.

Linux Systems Mentor, Mercy Corps - (GSG)

Aug 2023 – Dec 2023

- Mentored and guided over 40+ students in a Linux Fundamentals Bootcamp.
- Led a four-month intensive training program for BZU university students.

Backend Intern, Foothill Technology Solutions

Feb 2023 – Aug 2023

- Designed and implemented backend systems using ASP.NET, adhering to Domain-Driven Design principles.
- Wrote comprehensive unit and integration tests using XUnit, enhancing system reliability.

Education

Bachelor of Computer Science, Palestine Polytechnic University

2021 – 2025

GPA: 93.4% [[Recommendation Letters](#)]

Personal Projects

Autopilot [Python + LangGraph + Ollama]

[link](#)

AI Agents that complete system administrator task by executing commands on linux servers.

Graph Package Manager [Neo4j + Python + LangChain]

[link](#)

Interactive package manager that models packages as graph for conflict and dependency resolutions.

Game Optimization [C++]

[link](#)

AI bot Finding optimal solution for sokoban game by using Q-Learning algorithm.

AI Avatar Interviewer [Python + Pipecat]

[demo](#)

AI Voice Agent that joins meetings and starts questioning and interviewing the participants.

Extra-Curricular Activities

- Volunteered and helped organize [TEDxPPU](#) event at Palestine Polytechnic University
- Volunteered in summer camps for kids, organizing educational and recreational activities
- Completed the four-year Abraham Lincoln Scholarship at AMIDEAST, preparing high school students for undergraduate studies in the U.S.