

# Mohammed Hijazi

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## Skills

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**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

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**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

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**Bachelor of Computer Science**, Palestine Polytechnic University 2021 – 2025

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

## Personal Projects

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**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

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- 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.