

AHMAD HAMAD

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Backend/Full-stack | AI/ML | DevOps Engineer

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 Ramallah, Palestine

SUMMARY

Aspiring back-end engineer with a background in Computer Engineering. Actively training in software engineering with a focus on micro-controllers, computer networks, and AI.

TECHNICAL SKILLS

Languages: C/C++, Python, Java script, Bash, PHP, Java, SQL, HTML, CSS, LaTeX, Markdown,

Technologies: Spring-boot, Laravel, Strapi, Git, Docker, Tailwind, PostgreSQL, (NoSql) MongoDB

EXPERIENCE

7/2024 – 11/2024 Ramallah	Backend Developer Intern <ul style="list-style-type: none">Developed and maintained backend services using Strapi and Spring Boot, implementing REST APIs with proper HTTP methods and status codes.Integrated PostgreSQL as the primary database, optimizing queries, ensuring data integrity, and securing applications with OAuth (Google, GitHub).Utilized Docker for containerization and basic CI/CD pipelines to automate build & deployment processes.Collaborated on the user interface with Tailwind CSS for styling, ensuring seamless integration with backend services. SQL / Spring-boot / Strapi / Tailwind / Docker	525K
3/2025 – Current Remote USA	DevOps Intern <ul style="list-style-type: none">training on AWS web services to get to know the services that AWS offerspreparing for AWS cloud practitioner. AWS web Services / AWS cloud Practitioner	ILINIX

PROJECTS

Flask, React Redux, TailWind	Real time collaborative Document Developed a real-time collaborative document web app enabling multiple users to edit the same file simultaneously. Utilized WebSockets for real-time synchronization and React Redux for efficient state management. Implemented secure user authentication and role-based authorization using JWT.	github.com
Python Flask	Medical Question answering Ai Chat-bot Developed a QA AI chat-bot model in Arabic to answer users' medical questions based on context, with context retrieved using the TF-IDF NLP algorithm.	github.com
Laravel, React Bootstrap	Restaurant Menus Developed a restaurant application that provides an online menu accessible via QR codes and NFC technology. This plan focuses on user-friendly design, seamless integration, and scalability.	github.com
C++, ESP32	Micro Mouse Maze Solver Developed an autonomous micro mouse robot using an ESP32 by integrating motors with encoders, an MPU6050, and LIDAR sensors for navigation and obstacle avoidance. Employed PID control for precise PWM regulation and encoder interrupts for accurate distance tracking, used machine learning for PID parameter tuning.	-

EDUCATION

9/2021 - 6/2025	Computer Engineering Currently 5th year student in Birzeit University Cumulative Average: 84%	Bachelor
6/2018 - 6/2020	Amideast Access Scholarship 2-year program to develop and improve English skills across Listening, Speaking, and Writing	Certificate
10/2024 - 2/2025	Data analysis with Udacity & Google Spark mastered data analysis through preprocessing, wrangling, and assessing data to uncover insights and drive decision-making.	Certificate
3/2025	EF SET Certificate Achieved C1 ADVANCED level according to the guidelines set by the Common European Framework of Reference (CEFR).	Certificate

LANGUAGES

English - C1, **Arabic** - native