

Shahd M. Abu Sharif

Software Engineer & Backend Developer

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PROFESSIONAL SUMMARY

Software Engineer and Technical Team Lead specializing in backend development, system design, and database architecture. Experienced in designing and normalizing relational databases to ensure efficiency and data integrity. Skilled in building secure and scalable RESTful APIs, implementing authentication systems (JWT, RBAC), and optimizing backend performance. Strong focus on clean architecture, maintainability, and production-ready solutions. Fast learner with strong adaptability to new technologies.

AREAS OF EXPERTISE

JavaScript	TypeScript	Java
Node.js	NestJS	Express.js
Python	Django	Flask
PostgreSQL	Prisma ORM	Database design
Normalization	Query Optimization	DB Transactions
RESTful APIs	Swagger	WebSockets
Socket.io	Authentication (JWT)	Rate Limiting
CORS	Clean Architecture	Performance Optimization
Asynchronous Communication	Docker	Docker Compose
CI/CD	Linux (Ubuntu)	Git & GitHub
VS Code	Postman	Team Leadership
Time Management	Quick Adaptability	Problem Solving
Agile / Scrum		

PROFESSIONAL EXPERIENCE

Team Lead & Backend Developer, TAQAT - Internship

May 2026 – Present

- Led a cross-functional team across UX/UI, Frontend, Backend, Mobile, QA, and AI in an Agile (Scrum) environment, coordinating development priorities and iterative product delivery.
- Designed and developed the backend using NestJS, TypeScript, PostgreSQL, and Prisma, including modular architecture, RESTful APIs, business logic, database schema design, and data access patterns.
- Implemented secure authentication and authorization using JWT, RBAC, refresh-token sessions, password hashing, input validation, and role-based access boundaries across multiple user organizations.
- Implemented real-time communication using WebSockets, alongside notifications and chat to support responsive collaboration within the platform.
- Contributed to frontend development using Reactjs, integrating backend APIs and implementing user-facing functionality to support end-to-end feature delivery.
- Designed and integrated core internship workflows including applications, attendance, tasks, evaluations, certificates, dashboards, and organization-specific data access.
- Improved system reliability and maintainability through validation, error handling, database transactions, API documentation with Swagger, and containerization with Docker.

Backend Developer, Gaza Sky Geeks - Internship

Dec 2025 to Mar 2026

- Contributed to the backend development of a Multi-Vendor Pharmacy Delivery Platform, delivering core services and business workflows.
- Designed and implemented a complete authentication and authorization system using JWT and Role-Based Access Control (RBAC) to secure platform access.
- Developed maintainable, versioned RESTful APIs and implemented backend functionality for the Medication module, including business logic and data management.

- Participated in database schema design with a focus on data integrity, scalability, and maintainability.
- Applied query optimization techniques and algorithmic improvements to enhance application performance and efficiency.
- Collaborated with team members using Git for version control and participated in the software development lifecycle to ensure successful feature delivery.
- Conducted code reviews and contributed to technical documentation and testing activities to support maintainability and knowledge transfer.

Machine Learning Engineer, Areisto - Internship

May 2025 to Jul 2025

- Developed a machine-learning web application for breast cancer detection, handling end-to-end data preparation, modeling, and deployment.
- Performed pre-processing, feature engineering, and class imbalance handling to improve model robustness.
- Trained and evaluated classification models using cross-validation and metrics (accuracy, precision, recall), selecting and fine-tuning the best-performing approach.
- Integrated the trained model into a web interface for prediction and visualization, documented experiments, and collaborated with the team to align model outputs with application requirements.

EDUCATION

Software Engineering, Bachelor’s Degree <i>Al-azhar University, Gaza, Palestine</i>	Sept 2020 to Jan 2026 GPA: 3.7/4.0
Code2Career, Diploma <i>Gaza Sky Geeks</i>	Jun 2025 to Mar 2026

LICENSES & CERTIFICATIONS

Python for Data Science and AI — Coursera (offered by IBM)	May 2025
Machine Learning Engineer — Areisto	Jul 2025
Backend Development with NestJS — Gaza Sky Geeks	Mar 2026
CodeMap 2026 — TAQAT Academy	Jul 2026
AI Fluency: Framework & Foundations — Anthropic	Jul 2026
Claude 101 — Anthropic	Jul 2026
Claude Code 101 — Anthropic	Jul 2026
Building with the Claude API — Anthropic	Aug 2026

LANGUAGES

Arabic: Fluent
English: Intermediate