

# MONA HUSSAM ZAKOUT

## FULL-STACK DEVELOPER (NEXT.JS, NESTJS, PRISMA, POSTGRESQL)

Gaza, Palestine • 0566180160 • monazakout67@gmail.com • LinkedIn Profile • GitHub Profile

### PROFESSIONAL SUMMARY

Graduated Software Engineer with advanced backend and full-stack expertise verified by **10+ accredited technical certifications** from Boot.dev, Gaza Sky Geeks, and Giza Systems. Recognized as a **Top Performer (Top 10%)** in the Wayfair AI Agent Engineering Externship. Production-ready skills in **Next.js, NestJS, Prisma, and PostgreSQL**, complemented by hands-on setup of automated **CI/CD pipelines via GitHub Actions**. Proven track record of taking complex web applications and AI agents from architectural design to deployment.

### TECHNICAL SKILLS

**Full-Stack & Frameworks:** Next.js 16, NestJS, React 19, Node.js, .NET ASP Core MVC/Web API, Express.js.  
**Languages & ORMs:** TypeScript, JavaScript (ES6+), Python, C#, HTML5/CSS3, Prisma ORM, Entity Framework Core.  
**Databases & Infrastructure:** PostgreSQL, SQL Server, Docker, Relational Schema Design, Query Optimization, Hetzner Cloud.  
**DevOps, Tools & AI:** CI/CD (GitHub Actions), Git/GitHub, n8n Workflow Automation, Postman, Gemini API, Agile/Scrum.

### RELEVANT EXPERIENCE & TRAINING

|                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                    |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|
| <b>Foothill Technology Solutions (Boot.dev)</b> — <i>Software Engineering Intern</i>                                                                                                                                                                                                                                                                                                                                                            | Jul 2026 – Present |
| <ul style="list-style-type: none"><li>Engineered backend API microservices and HTTP servers using <b>TypeScript</b> and <b>Docker</b> containers.</li><li>Completed 7 comprehensive backend courses and built 3 production-grade CLI/Backend projects using PostgreSQL, SQL, and Functional Python.</li><li>Configured <b>GitHub Actions CI/CD workflows</b> for automated linting, unit testing, and container deployment pipelines.</li></ul> |                    |
| <b>Wayfair (Externship)</b> — <i>AI Agent Engineering Extern (Top Performer - Top 10%)</i>                                                                                                                                                                                                                                                                                                                                                      | Issued Jun 2026    |
| <ul style="list-style-type: none"><li>Honored as a <b>Top Performer (Top 10%)</b> among international participants for exceptional technical execution and presentation.</li><li>Architected intelligent business automation agents using <b>n8n</b> and <b>Gemini APIs</b> to deliver real-time e-commerce insights.</li></ul>                                                                                                                 |                    |
| <b>Gaza Sky Geeks (Mercy Corps)</b> — <i>Advanced React Pro Fellowship (100 Hours)</i>                                                                                                                                                                                                                                                                                                                                                          | Graduated Jan 2026 |
| <ul style="list-style-type: none"><li>Completed 100 intensive training hours in modern React architecture, Next.js, custom hooks, and state management in Agile/Scrum.</li></ul>                                                                                                                                                                                                                                                                |                    |

### FEATURED TECHNICAL PROJECTS (GITHUB)

|                                                                                                                                                                                        |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Blog Aggregator &amp; Server</b>   <i>TypeScript, Node.js, PostgreSQL, GitHub Actions</i>                                                                                           |
| <ul style="list-style-type: none"><li>Built an RSS blog aggregator service in TypeScript handling asynchronous web scraping, concurrency, and persistent PostgreSQL storage.</li></ul> |
| <b>AI Agent System</b>   <i>Python, Functional Programming, LLM APIs</i>                                                                                                               |
| <ul style="list-style-type: none"><li>Developed an autonomous AI agent leveraging functional programming paradigms in Python to parse, reason, and automate complex tasks.</li></ul>   |
| <b>Outfitly (AI Styling Platform)</b>   <i>Next.js 16, React 19, TypeScript, TailwindCSS</i>                                                                                           |
| <ul style="list-style-type: none"><li>Engineered an AI-assisted personal styling web application featuring custom UI components and type-safe API routing.</li></ul>                   |

### EDUCATION & CERTIFICATIONS

|                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                        |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>B.Sc. in Software Engineering</b> (Graduated)<br>Al-Azhar University – Gaza (GPA: 90.55)                                                                                                                                    | <b>Boot.dev Backend Mastery Certifications (7 Completed):</b>                                                                                                                                                                                                                                          |
| <b>Key Certifications:</b>                                                                                                                                                                                                     | <ul style="list-style-type: none"><li>Learn Docker (Aug 2026)</li><li>Learn HTTP Servers in TypeScript (Jul 2026)</li><li>Learn SQL (Jul 2026)</li><li>Learn TypeScript &amp; HTTP Clients (Jul 2026)</li><li>Learn Functional Programming in Python (Jul 2026)</li><li>Learn Git (Jun 2026)</li></ul> |
| <ul style="list-style-type: none"><li><b>Wayfair Externship:</b> Top Performer Cert (Top 10%)</li><li><b>Gaza Sky Geeks:</b> Advanced React Pro 100-Hour Cert</li><li><b>Giza Systems:</b> Software Development Cert</li></ul> |                                                                                                                                                                                                                                                                                                        |