

# Mohamed Hafez

## Full Stack JavaScript Developer

Lowell, MA • +1 978-888-7688 • mohamedhafez@outlook.com

LinkedIn: [linkedin.com/in/mohamedhafez1978](https://www.linkedin.com/in/mohamedhafez1978) • GitHub: [github.com/mhafez1978](https://github.com/mhafez1978)

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## Professional Summary

Detail-oriented and analytical Full Stack JavaScript Developer with hands-on experience building modern web applications using **Next.js, React, Node.js, Express, JavaScript, TypeScript, SQL**, and cloud-native environments (AWS, Azure). Strong engineering foundation with 8+ years supporting real world complex enterprise cloud systems, enabling a unique ability to design reliable full-stack applications with a focus on performance, security, and scalability.

Proven ability to develop responsive UI components, build RESTful APIs, automate workflows, optimize deployments, and integrate modern tooling. Experienced in leading technical initiatives, collaborating across engineering teams, and delivering high-quality solutions in Agile environments. Adept at problem-solving, debugging, and bringing full-stack features from concept to production.

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## Areas of Expertise

JavaScript / TypeScript Development  
React / Next.js Frontend Engineering  
Node.js / Express Backend APIs  
AWS & Cloud Deployments  
UI/UX Component Development  
Database Design (MySQL / Mongo/Prisma ORM/MySQL Workbench)  
Authentication / Authorization  
Automation & Scripting  
Agile/Scrum Collaboration  
System Integrations & DevOps Principles

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## Technical Proficiencies

**Frontend:** JavaScript (ES6+), TypeScript, React, Next.js, HTML5, CSS3, TailwindCSS

**Backend:** Node.js, Express, REST APIs, API security, JSON Web Tokens

**Databases:** SQL, MySQL, PostgreSQL, MongoDB / Prisma ORM

**Cloud / Infrastructure:** AWS (EC2, S3, RDS), Azure, Docker, CI/CD  
**Tools & Dev Environment:** Git, GitHub, NPM, PowerShell, Bash, VS Code  
**Security / Identity:** OAuth, SAML, JWT, MFA, SSO, Okta, Entra ID  
**Scripting & Automation:** PowerShell, JavaScript automation, CLI tools  
**AI Integrations:** Implemented OpenAI-powered chatbots using Next.js and custom backend logic to deliver intelligent user support and routing.

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## Professional Experience

### Full Stack JavaScript Developer – Personal Projects & Freelance

2023 – Present

- Designed and developed full-stack JavaScript applications using **Next.js, React, Node.js, and RESTful APIs**.
  - Built two production-ready websites featuring **OpenAI-powered real-time chat agents**, enabling dynamic Q&A, contextual assistance, and intelligent routing.
  - Implemented frontend UI using React, reusable components, and responsive layouts aligned with modern UX accessibility.
  - Created backend API endpoints in Node.js with secure authentication (JWT, OAuth 2.0), input validation, and database integration.
  - Integrated deployment pipelines using AWS and Vercel and optimized performance across frontend and backend layers.
  - Built automation scripts (Node.js + PowerShell) to streamline data processing, deployments, and configuration tasks.
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## Additional Technical Experience (Supporting Full-Stack Developer Capabilities)

### Sr. Systems Engineer / Software Automation & Integration

2020 – 2025 (Multiple Enterprise Clients in Healthcare, Biotech, and Technology)

- Automated enterprise workflows using **JavaScript, PowerShell**, and configuration scripting across Windows, macOS, and cloud platforms.
- Built deployment packages, scripts, and tooling that integrated with identity systems, APIs, and cloud services.
- Engineered repeatable, automated solutions for app deployment, driver management, and software distribution—mirroring DevOps CI/CD principles.
- Developed API-based integrations using cloud services (Azure, CrowdStrike, Intune, Okta), requiring JSON handling, request automation, and backend logic development.

- Known for debugging complex edge cases, analyzing logs, and applying engineering mindset to solve system-level technical challenges.
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## **Systems Engineer & Internal Tools Developer**

**2016 – 2020 (Cisco Systems, Karuna Therapeutics, OneDigital)**

- Created tooling automations and scripts to improve reliability of internal systems, streamline user workflows, and reduce manual processes.
  - Worked with backend systems including Active Directory, SQL-driven auditing tools, and cloud-based identity platforms.
  - Built repeatable configuration systems supporting thousands of endpoints—experience directly applicable to backend engineering patterns.
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## **Earlier Career Experience**

- Exchange Escalation Engineer (Microsoft)
- Windows Server Administrator (Wells Fargo)
- Field Support Engineer (Multiple MSPs)

These roles developed strong foundations in **infrastructure, networking, security, scripting, debugging, backend troubleshooting, and system architecture** that enhance your capabilities as a developer.

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## **Education**

**Full Stack Application Development (Certificate)**

Coding Bootcamp – Completed

**Strayer University – Computer Science Coursework**

(21 credits only completed)

**NC State University – Advanced Java Programming (Certificate)**

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## **Certifications**

- Full Stack Application Development (Framingham State University)

- AWS Certified Cloud Practitioner (Amazon Cloud)
  - Microsoft Certified Systems Engineer (MCSE)
  - Fortinet NSE1/NSE2 (FortiGate Firewalls)
  - Microsoft Certified Professional (MCP)
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## Projects (GitHub Showcase)

<https://github.com/mhafez1978>

### **AI-Powered All-in-one ERP business management Multitenant SaaS**

Built fully responsive All-in-One Business ERP platform, AI-Powered aimed to help business manage products, services, projects, company front-store (AI LX2 for video generation, Anthropic, DeepSeek and OpenAI Chatbot integration to generate the e-commerce front-store for company), order, invoices, transactions, immutable records anchored on Hedera public distributed ledger *Tech Stack: NextJS, Prisma, MySQL, JWT*

<https://ontargetbrands.com> □ hosted on Coolify Server in Helsinki, Finland.

### **AI-Powered Website Chatbots (Next.js + OpenAI)**

Built fully interactive AI chat agents with custom prompts, routing logic, and UX components. Features include conversation memory, contextual Q&A, and multi-path guidance.

### **Full Stack CRUD App with Authentication and third-party rest API's**

Node.js + Express backend with protected APIs, JWT authentication, database strategy session management, SQL database, and a responsive React/Next.js frontend.

### **Automation & Integration Scripts**

Chai, Mocha, Lint

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## Summary Statement

Full Stack JavaScript Developer with strong engineering roots, cloud experience, and proven ability to build modern applications using React, Next.js, Node.js, TypeScript, and modern tooling. Ready to contribute to product teams building scalable, secure, and user-friendly web applications.

<https://beingmohamedhafez.com>