

Hazem Salama

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PROFESSIONAL SUMMARY

Full-Stack Software Engineer with 3+ years building enterprise SaaS/CRM systems using React, Next.js, Node.js, TypeScript, Python/Django, and C++. Delivered 15+ production applications serving 50,000+ users with 99.9% uptime. Expertise in REST API development, AWS cloud architecture, and CI/CD automation. MSc IT Management candidate at University of Sussex seeking part-time opportunities.

SKILLS

Frontend: React, Next.js 15, React Native, TypeScript, JavaScript, Tailwind CSS

Backend: Node.js, Express.js, Python, Django, C++, Boost, RESTful APIs, MongoDB, SQL (PostgreSQL, MySQL)

DevOps & Cloud: AWS (Lambda, EC2, S3, RDS), Docker, Kubernetes (basic), NGINX, CI/CD

Other: WebSockets, Real-Time Systems, Testing (Jest)

Professional: Agile & Scrum collaboration, effective communication, problem-solving, analytical thinking, project ownership, adaptability in fast-paced environments, teamwork, continuous learning mindset, client communication, code review & mentoring

WORK EXPERIENCE

Full-Stack Software Engineer & Team Lead (Part-Time, 20hrs/week) – Qusah Stores *Aug 2025 – Present | Remote*

- Lead 5-engineer team developing CRM serving 500+ users and ERP system processing 10,000+ daily transactions using React, Next.js, Node.js, MongoDB
- Reduced API response time from 2.5s to 500ms through Redis caching, database indexing, and query optimization
- Deployed microservices architecture on AWS with 99.9% uptime, automated CI/CD reducing deployment time from 2 hours to 15 minutes

Freelance Full-Stack Software Engineer – Fiverr, Mostaqel *September 2022 – September 2025 | Remote*

- Delivered 15+ SaaS/e-commerce applications for clients across US, UK, and Middle East markets
- Improved Core Web Vitals scores from 45 to 95+ through code splitting, lazy loading, and CDN implementation
- Completed projects average 20% under budget and ahead of schedule using Agile methodologies

Full-Stack Developer (Summer Internship) – TAC Universe *May 2025 – August 2025 | On-site*

- Selected from 50+ candidates for production team, developing React/Next.js components and PHP Laravel APIs
- Built authentication system handling 10,000+ daily active users with 0.01% failure rate
- Contributed to 3 production releases, offered full-time position upon graduation

PROJECTS

Qusah ERP System *October 2025 – Present*

- Architecting enterprise ERP with Next.js/React frontend, Python Django/Node.js backend, C++ high-performance modules, PostgreSQL database
- Developed C++ algorithms for route optimization (TSP solver), lead scoring engine processing 100K+ leads/day, and inventory forecasting with 92% accuracy
- Implemented real-time dashboards with Socket.io handling 1000+ concurrent connections, reducing operational costs by 40% for 100+ SME clients

LeadsFinder Module (Qusah ERP) *November 2025 – Present*

- Built C++ lead generation engine using web scraping, NLP for lead qualification, and ML-based scoring algorithms
- Processes 50,000+ potential leads daily with 85% accuracy in qualification, 10x faster than Python implementation
- Integrated with Node.js backend via N-API, serving results through REST APIs to React dashboard

Qusah CRM *August 2025 – October 2025*

- Built credit management CRM integrating Saudi government APIs (Wathq/Sadq) for contract validation
- Reduced document processing time from 10 minutes to 2 minutes through async processing and queue optimization
- Achieved 99.9% uptime with automated monitoring and alerting via Datadog

Mo3an - Finance Platform

September 2024 – December 2024

- Developed multi-tenant financial platform with Next.js 15, Node.js, PostgreSQL supporting Arabic/English
- Implemented role-based access control (RBAC) for 5 user types with JWT authentication
- Automated PDF/Excel report generation processing 500+ documents daily

Fixtra Mobile App (Graduation Project)

January 2025 – June 2025

- Developed React Native app with Node.js backend for real-time service booking (similar to Uber for services)
- Implemented real-time tracking, payment processing via PayMob, and push notifications
- Achieved 4.8/5.0 rating in beta testing with 200+ users, selected as best project among 50+ submissions

EDUCATION

University of Sussex – Brighton, United Kingdom

MSc in Management of Information Technology | Expected: September 2026

Arab Academy for Science, Technology & Maritime Transport (AASTMT)/University of Northampton – Egypt/United Kingdom

BSc in Business Information Systems (Dual Degree) | Graduated: June 2023 GPA: 3.5/4.0

CERTIFICATIONS

AWS Certified Solutions Architect Associate (SAA-C03) - Pursuing, Exam: March 2026 – AWS

The C++20 Masterclass: From Fundamentals to Advanced (2025) – Udemy

Modern C++ OOP and STL Programming (2025) – Udemy

Next.js & React - The Complete Guide (2024) – Udemy

MERN Stack Development (2024) – Udemy