

HAZEM HASSANEN

Full-Stack Software Engineer | Backend Development | iOS Development

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PROFESSIONAL SUMMARY

Full-Stack Software Engineer experienced in building backend APIs, web applications, and mobile products with Node.js, Express, MongoDB, Angular, and SwiftUI. Strong focus on RESTful APIs, authentication systems, marketplace workflows, and product-oriented engineering. Founder and developer of FixMate, a two-sided home-services marketplace for Egypt. Interested in AI-powered creative tools, voice technology, and reliable user-centered software.

TECHNICAL SKILLS

Programming Languages: JavaScript, TypeScript, Python, Java, SQL, Swift

Backend: Node.js, Express.js, REST APIs, Microservices, JWT Authentication, Mongoose, API Design

Frontend & Mobile: Angular, RxJS, HTML5, CSS3, Responsive Design, SwiftUI, iOS Development

Databases & Tools: MongoDB, PostgreSQL, Docker, Git, GitHub, Jest, Agile/Scrum

Integrations & Concepts: SMS/OTP, Payment APIs, Authentication Systems, Data Modeling, Security, Product Development

PROJECTS

FixMate - Founder & Full-Stack Developer | In Development

Home services marketplace for Egypt | Node.js, Express.js, MongoDB, Mongoose, JWT, SMS/OTP

- Built a two-sided marketplace connecting customers with home-service providers including plumbers, electricians, and appliance repair technicians.
- Designed and developed backend architecture using Node.js, Express.js, MongoDB, and Mongoose.
- Implemented JWT authentication, user/provider account flows, and booking lifecycle management.
- Integrated SMS/OTP verification with Infobip to strengthen onboarding and account security.
- Led Play Store readiness and compliance work, including privacy policy requirements, KYC handling, location disclosures, and Egyptian PDPL considerations.

PayFlow - Backend Payment Gateway API

Node.js, Express.js, MongoDB

- Developed a secure payment gateway API simulating real-world payment orchestration and transaction processing.
- Designed RESTful endpoints for payment operations, transaction tracking, validation, and concurrent transaction handling.

Sanad - SaaS Landing Page & Client Subscription Website

SaaS Product Design, Responsive Web UI, Conversion-Focused Landing Page

- Designed and built a modern SaaS landing page for client subscription workflows, service presentation, and clear product messaging.
- Created responsive sections for brand positioning, feature highlights, pricing/subscription entry points, and client acquisition.

Vehicle Market - Frontend Marketplace Application

Angular 16, RxJS, REST APIs

- Developed a responsive automotive marketplace frontend with component-based Angular architecture, listing flows, filtering behavior, and RxJS state management.

PROFESSIONAL EXPERIENCE

IT Support Specialist - Ostim Teknik University | 2025 - Present

- Provide technical support for university hardware, software, account, and connectivity issues.
- Support day-to-day IT operations while strengthening troubleshooting, communication, and system reliability skills.

Cybersecurity Intern - Cisco Systems | May 2024 - Present

- Gained practical exposure to cybersecurity fundamentals, network protection, security monitoring, and secure system concepts.
- Developed a stronger understanding of security principles relevant to backend and software development.

Data Engineering Intern - DataCamp | January 2023 - December 2023

- Completed practical training in SQL, data workflows, data cleaning, validation, and database fundamentals.
- Improved technical problem-solving through structured data processing and Python-based automation practice.

EDUCATION

B.Sc. Software Engineering - Ostim Teknik University | Expected 2027

Relevant coursework: Data Structures & Algorithms, Network Security, Database Management Systems, Web Development

ADDITIONAL INFORMATION

Languages: English, Arabic, Turkish | **Interests:** Full-Stack Development, Backend Engineering, AI Tools, Voice Technology, Mobile Applications, Product Engineering