MOSTAFA ATEF ABO EL-SOUD

Software Engineer | Full Stack

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SUMMARY

Security-minded Senior Software Engineer with hands-on experience architecting multi-tenant SaaS platforms and escrow payment systems. Specialized in Node.js, Express, TypeScript, Angular, and PostgreSQL/MySQL ecosystems. Proven track record of leading backend development teams, building resilient API architectures, and driving end-to-end product delivery from schema design to production launch.

TECHNICAL SKILLS

- **Languages:** JavaScript, TypeScript, PHP, Python, Java, SQL, PL/SQL
- **Backend & Databases:** Node.js, Express, Sequelize, Prisma, MySQL, PostgreSQL, Redis, MongoDB
- **Frontend & Mobile:** Angular (SSR), React.js, Tailwind CSS, Bootstrap, Flutter
- **Architecture & Tools:** REST APIs, Webhooks, AWS (S3, Chime), BullMQ, Docker, Git, Linux
- **Security & Testing:** OWASP Top 10, Penetration Testing, Burp Suite, Nmap, Wireshark

SOFT SKILLS

- **Engineering Leadership & Mentorship:** Technical Architecture Planning, Code Reviewing & Quality Standards, Team Guidance, Mentoring Junior Engineers.
- **Product & Strategic Execution:** Cross-functional Collaboration, System Scalability Planning, Product Ownership.
- **Problem Solving & Systems Thinking:** Security-First Mindset, Root-Cause Analysis, Complex Debugging, Performance Optimization.
- **Communication & Collaboration:** Client Requirement Gathering, Technical Documentation, Stakeholder Communication.

WORK EXPERIENCE

TreeTech | Senior Software Engineer - Hybrid - Full Time — **Jan 2026 - Oct 2026**

BioRatib — HR, Payroll & Attendance SaaS Platform

- Architected a multi-tenant SaaS backend (Node.js, Express 5, TypeScript, PostgreSQL, Sequelize) with tenant isolation, subscription billing, and multi-level RBAC.
- Engineered an automated payroll & attendance system, integrating biometric hardware via ZKTeco iClock protocol and Redis/Bull queues for automated payroll generation.
- Delivered end-to-end product suite, leading frontend work on Angular 21/Tailwind admin dashboards, Flutter mobile app, and bilingual SSR marketing platform.
- Cross-functional lead, driving backend API decisions, managing a 4-engineer team, and building localized Angular 20 SSR frontends.

Ex-Gate | Software Engineer - Hybrid - Full Time — **May 2026 - Sep 2026**

Mustasharuna — Live Consulting & Advisory Marketplace

- Built an escrow payment engine with Fawaterak integration, double-entry ledger tracking, automated payout retries, webhooks, and IBAN validation.
- Core contributor (770+ commits) on a TypeScript/Express/Prisma/PostgreSQL REST API fully documented with Swagger/OpenAPI.

Stint Hub | Software Engineer - Hybrid - Full Time — **Jul 2024 - Jun 2026**

Shary — Multi-vendor E-commerce Marketplace

- Lead Backend Engineer across 3 marketplace applications using Node.js, TypeScript, Express, Sequelize, and MySQL.
- Built core commerce infrastructure, including multi-vendor order splitting, inventory variations, subscription billing, and Geidea/Fawaterak/Bosta integrations.

Easy Pro Code Penetration Tester - Onsite - Full Time — **Mar 2023 - Jun 2023**

- Discovered critical vulnerabilities in electronic wallet app, including unauthorized balance injection.
- Exploited e-commerce app logic flaws allowing product purchase without payment.

PROJECTS & OPEN SOURCE

Security & System Tools:

- AlgoMonitor
- Algorithm-Lib
- AlgoShellX
- AlgoScan

Web Applications:

- StintHub
- YouthFoundation
- LusterEgyptTours
- BlackHourse

EDUCATION & CERTIFICATIONS

Education

- **Technical Diploma in Computer Programming**
  MICA Egypt (2020 – 2023)

Certifications

- **Ethical Hacking** — ITI Platform
- **Database Programming with SQL & Database Design** — Oracle Academy
- **Database Administration** — Microsoft Technology Associate (MTA)