

Mazen Kabboul

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Full-Stack Developer | Web Developer | Security-Focused Applications Engineer

SUMMARY

A skilled full-stack developer with over 3 years of hands-on experience building web, desktop, mobile, e-commerce, and security-focused applications. Proven expertise spans authentication systems, behavioral biometrics, SOC dashboards, Wazuh integration, Stripe payments, and content management. Consistently translates customer and business needs into reliable software solutions across planning, architecture, deployment, and continuous performance optimization for modern scalable enterprise-grade products.

CORE COMPETENCIES

Application Architecture, Behavioral Biometrics, Authentication Systems, Payment Integration, Performance Optimization, Cloud Deployment, Cross-Functional Collaboration, Product Lifecycle, Security Engineering.

PROFESSIONAL EXPERIENCE

Full-Stack Developer | Erasys Ltd, London

February 2024 – Present

- Build backend services with Node.js and Python that support behavioral analysis, data processing, and intelligent system operations across secure enterprise platforms and environments.
- Develop behavioral profiling features that create digital fingerprints from user interaction patterns, improving authentication beyond traditional credentials and password-based verification methods.
- Build a Security Operations Center desktop dashboard using Flutter and Node.js to support real-time monitoring, threat detection, and security analytics reporting.
- Integrate Wazuh for centralized logging, intrusion detection, event correlation, and greatly improved security visibility inside the SOC dashboard interface for analysts.
- Deploy cloud-based services on Microsoft Azure while building the company website using React.js and Stripe to support secure customer-facing payment processing workflows.

Website Security and CMS Specialist (Contract) | Shanti Voyage February 2023 – September 2023

- Maintained website security, content integrity, and search engine performance for a travel company online presence, ensuring consistent reliability for daily website visitors.
- Managed website content updates, copywriting improvements, search optimization, and page ranking initiatives to grow organic traffic and improve overall online visibility significantly.
- Monitored project progress with team members, supported delivery tasks, and translated business requirements into practical technical solutions for internal stakeholders and clients.
- Analyzed social media and campaign performance data to evaluate results and refine content and marketing strategies for consistently improved audience engagement outcomes.

EDUCATION

BS in Computer Science / Information Technology | Notre Dame University (NDU) December 2023

PROJECTS

ClinicPing (Healthcare SaaS Platform) ([link](#))

May 2026 – June 2026

- Built a healthcare SaaS platform helping clinics reduce missed appointments through automated WhatsApp messaging, booking confirmations, reminders, AI-powered admin insights, and dashboards for tracking appointments, patient activity, and communication logs across multiple clinic locations.
- **Technologies Used:** Next.js, TypeScript, Tailwind CSS, shadcn/ui, PostgreSQL, Prisma, Clerk, Twilio WhatsApp API, Stripe, Ollama.

Guau Glow (E-Commerce Skincare Platform) ([link](#))

February 2026 – March 2026

- Built a full e-commerce skincare platform including customer-facing store, product catalog, shopping cart, checkout, and internal admin management system with inventory tracking, sales analytics, and integrated online payment support for smooth end-to-end operations.
- **Technologies Used:** React.js, Express.js, Node.js, MongoDB, JWT, Whish, RESTful APIs.

SafePulse (Adaptive Trust and Access Platform)

July 2025 – December 2025

- Built an adaptive trust and access platform that continuously evaluates user identity, analyzing behavior, device data, location, and session activity for real-time risk detection and adaptive step-up verification workflows across enterprise environments with strong security guarantees.
- **Technologies Used:** Python, FastAPI, SQL, Windows Desktop Packaging.

WhiteMatter (AI-Powered Workplace Cognitive Health Platform)

May 2024 – August 2024

- Developed an AI-powered platform monitoring workplace cognitive health using passive digital biometrics, tracking typing, mouse movement, and application usage to give real-time insight into focus, stress levels, and mental fatigue for modern distributed teams.
- **Technologies Used:** Electron.js, Express.js, Node.js, SQL, C++, Inter-Process Communication.

SKILLS

Technical Skills: JavaScript, Python, C++, SQL, HTML5, CSS3, TypeScript, React.js, Flutter, Electron, Chrome Extensions, Node.js, Express.js, MongoDB, PostgreSQL, REST APIs, Wazuh SIEM, Microsoft Azure, WordPress, Stripe, FastAPI, Next.js, Tailwind CSS, Shadcn/UI, Prisma, Clerk, Twilio WhatsApp API, Ollama, JWT.

Soft Skills: Problem Solving, Team Communication, Attention to Detail, Collaboration, Adaptability, Fast Learner, Critical Thinking, Time Management, Reliability.

LANGUAGES

Arabic (native), **English** (full professional proficiency).