

Hussein Turfah

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SUMMARY

Experienced Full Stack Engineer with a strong foundation in cybersecurity, specializing in building scalable, secure applications. Proficient in frontend and backend development, real-time messaging, and end-to-end encryption. Proven success in leading teams and managing projects in Agile environments. Skilled in optimizing performance, ensuring data protection, and delivering secure, high-quality solutions.

CORE COMPETENCIES

Full Stack Development, Web Application Optimization, Backend API Development, Real-Time Messaging Systems, Responsive Web Design, Cybersecurity Practices, Data Encryption, Team Leadership, Cross-Platform Development, Problem Solving, Performance Tuning, Agile Project Management.

PROFESSIONAL EXPERIENCE

Mid-Senior Full Stack Developer & Team Lead Kipco (Kuwait Projects Company)

May 2024 – Present
Kuwait

- Lead and coordinate a development team to build three critical financial systems, managing project planning, requirements gathering, and ensuring timely and successful project delivery.
- Design and develop intuitive user interfaces using React.js and Redux, ensuring seamless, responsive, and consistent experiences across both desktop and mobile platforms.
- Developing secure and scalable backend APIs using Node.js and Express.js, implementing industry-standard encryption and authentication practices to protect sensitive user data.
- Ensure data privacy and integrity through advanced encryption techniques, access control mechanisms, and strict implementation of best practices for safeguarding sensitive information.
- Optimize system performance through comprehensive debugging and performance reviews, identifying bottlenecks and resolving them to enhance system reliability and efficiency.

Full Stack Developer & Cybersecurity/Encryption Expert Maan NGO (Project name: Beehive, a mobile messaging app)

Oct 2024 – April 2025
Beirut, Lebanon

- Lead the successful development of a secure mobile messaging app, overseeing the project from concept to deployment on Play Store and App Store, while managing ongoing security updates.
- Design and implement comprehensive end-to-end encryption solutions to protect user data, ensuring secure message storage and transmission across the platform.
- Build and maintain scalable backend infrastructure with Node.js, conduct detailed security audits, and enforce best practices in user authentication and data protection.
- Develop optimized real-time messaging features using Socket.IO, integrating message status tracking, read receipts, and push notifications to provide a seamless user experience.
- Lead proactive security initiatives, including detailed vulnerability assessments, implementing strong encryption protocols, and mitigating potential threats to ensure platform safety.

Full Stack Developer
Dojo FZ LLC

May 2023 – March 2025
Abu Dhabi, UAE

- Develop and optimize web applications using Next.js and Redux, integrating backend APIs and managing state effectively through Redux actions, store, and reducers for better performance.
- Design and implement robust RESTful APIs with Node.js and Express.js to support seamless frontend-backend communication and ensure system scalability for future growth.
- Build advanced real-time messaging features using Socket.IO, enhancing user engagement with chatrooms, notifications, and live updates for an interactive user experience.
- Ensure responsive web design across multiple devices by implementing media queries and optimizing layouts for mobile, tablet, and desktop platforms, improving usability.
- Identify, debug, and resolve complex technical issues and system bugs, optimizing performance and ensuring a smooth, stable, and secure user experience.

TRAINING AND CERTIFICATE

Full-Stack Web Development Bootcamp | SE Factory

February 2023 – May 2023

- Completed an intensive 14-week program focused on cloud architecture, full-stack development, version control, and web application security.
- Developed [FarmDuino](#), a desktop app that integrates MQTT with a Smart Greenhouse System, GPT-3.5 for plant recommendations, and an external API for plant identification.
- Technologies Used: React, Electron, Laravel, MySQL, MQTT, GPT-3.5, IoT, AI

Ethical Hacking Foundation | Semicolon Academy, Beirut

September 2022 – October 2022

- Completed a hands-on course covering key areas of cybersecurity, including network security, penetration testing, and bug hunting.

SKILLS

Programming Languages: PHP, JavaScript, TypeScript, SQL, Python, C++.

Backend Frameworks: Node.js, Express.js, Laravel (v9.x).

Frontend Frameworks & Libraries: React.js, Redux, Next.js, React Native, Electron.js, jQuery.

Database Management Systems: MySQL, MongoDB, Microsoft SQL Server.

Version Control & Collaboration Tools: GitHub, Postman, Figma, Burp Suite.

Cybersecurity Practices & Tools: Secure Development Lifecycle (SDLC), OWASP Standards, RSA Encryption, Penetration Testing.

Soft skills: Communication, Team Collaboration, Problem-solving, Time Management, Adaptability, Critical Thinking, Decision Making, Attention to Detail, Self-motivation, Stress Management, Organization.

Languages: Arabic (native), English (fluent).

EDUCATION

Bachelor of Science (B.S.) in Agriculture
American University of Beirut

August 2018 – June 2022
Beirut, Lebanon