Ibrahim Al Badawi Al Najjar

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Full Stack Developer with expertise in Web Application Security and Decentralized Applications.

SUMMARY

Proactive Computer Science student with practical experience in full stack development and cybersecurity. Proven ability building secure, responsive MERN stack applications and mitigating complex web vulnerabilities across multiple platforms and environments. Eager to apply knowledge in networking, blockchain, secure coding, and emerging technologies to contribute to a forward-thinking technology team.

CORE COMPETENCIES

Full Stack Development, Web Application Security, MERN Stack, Vulnerability Assessment, Secure Coding, Network Security, Smart Contracts, Decentralized Applications (dApps), SQL Injection (SQLi), Cross-Site Scripting (XSS), Threat Modeling, Penetration Testing, Algorand Blockchain, RESTful APIs, Git.

PROFESSIONAL EXPERIENCE

Web3 Developer | Algorand   **October 2025 – Present**

- Developed and deployed secure smart contracts on the Algorand blockchain, focusing on efficient token creation, asset management, and core consensus mechanisms for various projects.
- Engineered and tested responsive decentralized applications (dApps), successfully integrating robust front-end interfaces with back-end smart contract logic to ensure seamless user interaction.
- Contributed to projects within the Algorand ecosystem, gaining hands-on experience with decentralized network architecture, security protocols, and blockchain fundamentals to build applications.

Cybersecurity Intern | CNS (ICC Group)   **July 2025 – October 2025**

- Analyzed web applications for vulnerabilities like SQL Injection, XSS, and SSRF, utilizing Burp Suite and Nmap to identify and report critical security flaws.
- Identified and documented broken access control, session fixation, and insecure direct object reference (IDOR) flaws, providing detailed remediation reports to strengthen application security.
- Developed Proof-of-Concept exploits for XXE and Local File Inclusion (LFI) in a controlled lab environment to demonstrate security risks and validate secure coding fixes.
- Assessed JSON Web Token (JWT) implementations and WebSocket communications to prevent token tampering, data leakage, and resource exhaustion attacks through rigorous security testing.
- Crafted comprehensive reports detailing threat models and attack chains, offering clear remediation recommendations based on OWASP testing methodologies and secure coding patterns for developers.

EDUCATION

Bachelor of Science in Computer Science | Lebanese University   **September 2023 – Present**

- Member, Lebanese University Computer Science Club | 2023 – 2025

TRAINING AND CERTIFICATES

Capture The Flag (CTF) Competition Participant | Semicolon Academy   **March 2025**

- Participated in cybersecurity challenges in web exploitation, cryptography, and network security. Strengthened problem-solving and applied security concepts in a competitive environment.

Data Science & Machine Learning with Python | Undisclosed Training Center   **September 2022**

- Completed 16-hour training focused on data collection, cleaning, and exploratory analysis using pandas, numpy, matplotlib, and seaborn. Gained hands-on experience in applying machine learning techniques.

Cisco Networking Academy Training (CCNA 1 & 2) | Cisco Networking Academy   **July 2022**

- Trained in networking fundamentals, IP addressing, subnetting, Ethernet, switching, routing, VLANs, and basic network security. Practiced practical configuration through Cisco Packet Tracer labs.

PROJECTS

Promotional Game Website   **May 2025**

Designed and deployed a mobile-optimized promotional game website that engages users with interactive gameplay and rewards, driving participation and visibility. Implemented leaderboards, reward distribution, and analytics tracking to boost retention, maximize engagement, and provide campaign insights.

- **Technologies Used:** HTML, CSS, SCSS, TypeScript, React.js.

Bank Management System   **April 2025**

Developed a comprehensive bank system featuring secure account management, real-time transaction processing, and a detailed ledger, built with focus on integrity and reliability. Enhanced functionality with authentication, audit trails, and automated reporting for improved transparency and operational efficiency.

- **Technologies Used:** C Language.

Multi-Restaurant E-Commerce Platform   **March 2025**

Created a full-stack food ordering platform similar to Toters, enabling users to browse restaurants, place orders, and manage profiles with a responsive design across devices. Integrated secure payment gateways, order tracking, and restaurant dashboards to optimize customer experience and streamline operations.

- **Technologies Used:** HTML, CSS, JavaScript, React.js, Node.js, Express.js, MongoDB.

SKILLS

Technical Skills: HTML5, CSS, SCSS, JavaScript, TypeScript, React, Node.js, Express.js, MongoDB, MySQL, Python, Java, C, Git, Firebase, REST APIs, Web3.js, Burp Suite, Nmap, Wireshark, Cisco Packet Tracer, Docker, Linux, Blender, Bootstrap, API Integration, Database Management, Microsoft Office (Word, Excel, PowerPoint).

Soft Skills: Problem-Solving, Analytical Thinking, Collaboration, Communication, Adaptability, Attention to Detail, Time Management, Self-Motivation, Critical Thinking, Continuous Learning, Teamwork, Leadership.

LANGUAGES

Arabic (Native), **English** (Fluent), **French** (Intermediate).