Jacob A. Wojcik

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(734)233-5248 | jacob.a.wojcik@gmail.com | Westland, MI | LinkedIn | GitHub

Professional Summary

Software Engineer with a strong foundation in full-stack development, object-oriented programming, and software design. Experienced in developing web and desktop applications using Java, JavaScript, Python, React.js, and SQL. Passionate about creating scalable and efficient solutions. Holds a Bachelor's in Computer Science and multiple IT certifications, including CompTIA Security+ and DoD Security Clearance.

Technical Skills

• Programming Languages: Java, JavaScript, Python, PHP, SQL, TypeScript

• Frontend: React.js, HTML, CSS

• Backend: Node.js, Flask, Express.js, PHPMyAdmin

• Database: MySQL, PostgreSQL

• Tools & Platforms: Git, Linux, Docker, VMware, Active Directory

Experience

GO-LIVE Technical Support

Munson Healthcare, Michigan | January 2025 - February 2025

• Provided technical support to 300+ hospital staff during Munson Healthcare's transition from Meditech to Cerner EHR system.

• Supported end-users with software, hardware, and networking issues related to the transition.

• Set up and decommissioned workstations, surgical stations, printers, and patient status systems.

• Performed workstation imaging, software installation, and system configuration to ensure compatibility with the new EHR system.

• Managed a support ticket system, rapidly responding to and resolving 50+ technical issues to minimize downtime.

• Provided on-site troubleshooting and training, assisting healthcare professionals in adapting to the new system efficiently.

Information Technology Specialist

U.S. Army, North Carolina | January 2016 - August 2021

• Designed and implemented software tools to automate IT tasks, reducing manual workload by 40%.

• Managed and supported SQL databases, ensuring optimized queries and data integrity.

• Developed internal web applications to assist with network monitoring and incident reporting.

• Collaborated with cybersecurity teams to implement security best practices for applications.

• Provided full-stack development support for internal Army IT projects and infrastructure.

Projects

Stock Predictions Website

• Developed a stock prediction website using Python, Flask, HTML, CSS, and JavaScript.

• Integrated YahooFinance API to display real-time and historical stock data.

• Implemented an algorithm to predict future stock trends based on historical data.

Network Information Application

• Built a Java-based application to monitor real-time network status and server latency.

• Implemented a traceroute feature for diagnosing connection issues.

Pathfinding Visualizer

• Created a web-based pathfinding algorithm visualizer using TypeScript, Python, and CSS.

• Implemented A*, BFS, DFS, and Dijkstra's algorithm for interactive visualization.

Social Media Web App

• Developed a full-stack social media platform using PHP, HTML, CSS, JavaScript, phpMyAdmin, and MySQL.
• Implemented core user functionalities, including account creation, authentication, user profiles, and public post interactions.
• Designed and optimized a relational MySQL database, ensuring efficient data retrieval and storage for user posts and interactions.
• Implemented core user functionalities, including account creation, authentication, user profiles, and public post interactions

Education

Eastern Michigan University | Bachelor of Science, Computer Science | 2021-2024

Certifications

• DoD Security Clearance, Department of Defense – 2016
• Security+, CompTIA – 2016
• A+, CompTIA – 2016
• Networking Fundamentals, MTA – 2017
• Security Fundamentals, MTA – 2017