Moin Syed

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PROFESSIONAL EXPERIENCE

IT Software Engineering Intern   *May 2023 – August 2024*
Wayne State University   *Detroit, MI*
- Led a 4-member cross-functional team to deliver a full-stack application (C#, Python, Angular, YOLOv7) 2 weeks ahead of schedule by streamlining Agile workflows and CI/CD pipelines, achieving 98% code coverage through automated testing (Jest, Pytest).
- Optimized infrastructure reliability by resolving 100+ Linux/Windows system issues using Shell scripting, asset tracking using Greenware, Configuration Manager and modernizing legacy applications via Docker/Kubernetes, reducing deployment inconsistencies by 50% and maintaining 98% uptime with 99% customer satisfaction.
- Resolved 50+ critical IT/Infosec tickets in Jira with a 99% customer satisfaction rate, prioritizing SLA adherence and stakeholder communication.

IT/Infosec Automation Intern   *May 2022 – August 2022*
Five Investments LLC   *Denver, CO*
- Automated user lifecycle management (onboarding/offboarding) using OKTA Workflows, eliminating manual errors and reducing process time by 90%..
- Streamlined device deployment via Kandji DEP and enhanced security compliance by 30% through Duo Security/Device Health integrations, ensuring 100% patch compliance across 50+ devices using Automox.
- Managed over 50 IT Infosec tickets in Atlassian Jira, ensuring timely resolution and maintaining a 99% customer satisfaction rate.

PROJECTS

F1 Telemetry Dashboard | *Python, Dash, Plotly, OpenF1 API*   *Mar 2025 – April 2025*
- Built real-time F1 telemetry dashboard using Python Dash/Plotly, implementing async API calls (OpenF1) with 15s refresh rate
- Processed live driver data (throttle/brake/speed/gear) via pandas, applying rolling averages to enhance signal clarity.
- Designed interactive visualizations with dual-driver comparisons, dynamic time axes, and mobile-responsive layouts

Web Portfolio with AI Chatbot | *JavaScript, HTML/CSS, NextJS, Azure, OpenAI*   *Nov 2024 – Dec 2024*
- Built a responsive portfolio site with **Next.js**, boosting project visibility and user engagement by 50%.
- Integrated an Azure/OpenAI-powered chatbot for real-time responses to resume inquiries, reducing reply times by 90%.

AI Parking Detection WebApp | *Angular, Python, ASP.NET, C#, YOLOv7, Microsoft Server SQL*   *May 2024 – Aug 2024*
- Engineered a RESTful API with C# and ASP.NET to seamlessly integrate a parking detection system utilizing embedded components with the web application and the MsSQL database
- Implemented JWT authentication and role-based authorization, securing user access and preventing unauthorized interactions by 90%.
- Authored 50+ test cases covering edge-to-edge workflows, achieving 98% code coverage and cutting production bugs by 20% via systematic QA testing.
- Implemented the MVC architecture and Object-Oriented Programming principles to enhance code clarity, maintainability, and scalability
- Led Agile ceremonies (sprint planning, retrospectives, daily stand-ups) to align team goals with business objectives.

3D LiDAR Detection System | *ROS, Python, Ubuntu*   *Aug 2023 – Nov 2023*
- Collaborated with mechanical/electrical engineers to implement basic LiDAR detection algorithms using ROS and Python in Ubuntu environment
- Processed 3D point cloud data for obstacle detection, integrating sensor inputs with robotic navigation systems
- Contributed to system testing and documentation efforts, enhancing team understanding of LiDAR capabilities

EDUCATION

Wayne State University   *Detroit, MI*
Bachelor's in Computer Science   *2019 - 2024*

SKILLS

Tech: Python, C/C++, C#, Java, React, JavaScript (JS), TypeScript (TS), HTML5, Angular, Bootstrap, .NET, REST Shell, APIs, YOLOv7
DevOps: Docker, Kubernetes, Azure, Git, GitHub, JIRA, CI/CD (GitHub Actions), Linux, MySQL, NoSQL, ROS, Visual Studio
Tools and Skills: Active Directory, Greenware, Configuration Manager, VMWare, MS Office Suite, Jasmine, Jest, Plotty, Dash, Pytest, Test/SRS Design, Asset Tracking, Agile Methodologies, Prompt Engineering, Scripting, Leadership