

John Anderson

Mechanicsburg, PA (720) 953-2631 | john.j.anderson5@gmail.com | <https://www.linkedin.com/in/johnanderson1111>

Web Developer with 3+ years of experience delivering secure, scalable, and AI-driven applications. Skilled in full-stack and backend development, contributing to the optimization of high-performance systems in various industries. Proven ability to enhance system efficiency and reliability through data-driven improvements and collaboration with cross-functional teams. Proficient in tools like Firebase, Kubernetes, Jenkins, Splunk, AWS, and H2O.ai, with a focus on building solutions that improve user experiences and operational processes.

Full Stack Development | AI & Machine Learning | Cloud Technologies | API Development | Log Analysis | Programming | Data Management | LLM Training | Dev Ops & CI/CD | Security Operations | Unix & Windows | Automation
System Monitoring & Performance | SQL | Tekton
Jenkins | Postman

Professional Experience

Outlier.AI

Jun. 2024 – Sept. 2024

Coding Expert AI Trainer

- Enhanced AI accuracy by analyzing and optimizing programming prompts, improving the relevance of responses for users
- Implemented RLHF to optimize the model's interaction with Google Cloud APIs using JavaScript, boosting query handling accuracy
- Fact-checked model outputs through RLHF, ensuring response accuracy and increasing user trust

Ford Credit

Jan. 2022 – Jul. 2023

Backend Software Engineer

Jan. 2023 – Jul. 2023

- Developed approximately 10 new features, fixing bugs, adding multi-language support, and implementing caching to improve application performance
- Collaborated with an Agile team to maintain and enhance a three-microservice architecture
- Ensured the code base passed 42 Crunch Conformance Scans and Checkmarx static analysis checks

Full Stack Software Engineer

Jan. 2022 – Dec. 2022

- Built 60% of the UI for the modernized Wholesale application in AngularTS, HTML, and CSS
- Developed frontend and backend for key views, interfacing with SQL databases and integrating REST APIs
- Worked directly with business users to gather requirements and ensure feature alignment, improving user satisfaction

Ford Motor Company

Jan. 2021 – Dec. 2021

Systems Engineer

- Monitored a 744-node High-Performance-Computing (HPC) environment to ensure daily operational functionality
- Automated system health checks by writing four Python scripts, improving monitoring efficiency
- Expanded the HPC infrastructure by building two additional clusters, enhancing computational capabilities
- Secured systems by completing monthly and quarterly audit tasks

Volunteer Experience @ Local Biomedical Research Company

ML Engineer

Aug. 2024-Sept. 2024

- Trained a machine learning model to identify psychiatric illnesses, improving the prediction accuracy
- Analyzed trends in data to fine-tune the model, resulting in a 5x increase in classification accuracy compared to prior methods

Education

Bachelor of Science in Computer Engineering

2016-2020

Pennsylvania State University, State College, PA