Lincoln Stewart

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EDUCATION

University Of Maryland, College Park
Bachelors Of Science, Information Science ***Jan.2021-Dec.2023***

SKILLS

Programming: Python, Java, C/C++, JavaScript, SQL, HTML/CSS, Bash/Shell, PHP
Libraries/Frameworks: React.js, Vue.js, Node.js, Django/Flask, .NET, TensorFlow, OpenCV, Bootstrap
Platforms: Docker, Git, GitHub Actions, Azure SDK, Google Cloud, Active Directory, PostgreSQL, MySQL, Linux/Unix, VS Code, Ignition SCADA, OPC-UA, MQTT
Concepts: REST APIs, CI/CD, Server Configuration, Database Design, Cloud Deployment, Real-Time Monitoring

EMPLOYMENT

Software Engineer (Remote) **Oshkosh Corporation** ***Dec.2023-Current***

- **Full-Stack Development:** Design, develop, test, and deploy enterprise-grade applications using Python, React.js, ASP.NET, Vue.js, and Ignition SCADA—streamlining operations and boosting system efficiency by 25%.
- **DevOps Automation:** Fulfill DevOps efforts by Implementing CI/CD pipelines with GitHub Actions, achieving 40 % faster deployments with zero downtime.
- **Dashboard Development :** Develop real-time monitoring dashboards with JavaScript, Tailwind CSS, and SQL, supporting mission-critical enterprise decisions.
- **API Integration :** Build secure REST APIs to enable cross-system communication, reducing data retrieval latency by 15%.

System Engineer, Intern (Hybrid/Hagerstown) **Oshkosh Corporation** ***June.2022-Nov.2023***

- **Cloud-Based Computer Vision:** Developed Azure-hosted Computer vision tools using Python, CNNs, and OCR for automate text recognition, achieving 98% accuracy.
- **Real-Time Monitoring Systems:** Created live dashboards with React, JavaScript, Python and SQL, reducing operational downtime by 25% through live data visualization.
- **Optimized Robotic Operations and Server Management:** Reconfigured robotic system operations in C++ to improve welding precision by 30%, while configuring Linux servers to support 24/7 diagnostics, enhancing uptime by 20%.

PROJECTS

Global Report Builder Application (Ignition Platform) ***August.2024-October.2024***

- Designed a multi-site global reporting tool enabling users to generate personalized reports across enterprise facilities.
- Built the front-end with Vue.js and developed Python-based services on Ignition Perspective and WebDev modules.
- Integrated Ignition's MQTT and OPC-UA protocols for real-time data fetching across multiple factory floors.
- Configured user authentication, data filtering, and scheduled report exports within the Ignition gateway.
- Delivered a scalable platform used by 100+ users across global operations, standardizing site reporting and improving data accessibility.

Real-Time System Monitoring Dashboard ***January.2024- March.2024***

- Integrated real-time metrics from distributed systems using OPC-UA and Python, storing system health metrics in structured SQL databases.
- Designed modular dashboard framework, enabling dynamic visualization of system health metrics and automated threshold-based alerts.
- Developed custom APIs to connect bridge cross-platform systems, ensuring real-time seamless data flow and interoperability across platforms.
- Reduced latency in anomaly detection by 25%, improving system reliability/enabling ample response to performance issues.

DmvExplorer Web App ***June.2023- December.2023***

- Built a location-based web app with Python/Node.js backend and Bootstrap/JavaScript frontend, aggregating real-time data from Yelp Fusion API.
- Deployed using Docker on Google Compute Engine for high scalability and uptime.
- Structured ETL pipelines with Google Cloud SQL for efficient data processing and API access.