

Evan Lambert

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PROFESSIONAL SUMMARY

Accomplished Senior Software Engineer with 8 years of experience designing, modernizing, and scaling complex enterprise software systems, API integrations, and cloud infrastructure. Proven expertise in building performant Python and .NET applications, architecting resilient data pipelines across localized databases and AWS environments, and orchestrating containerized workloads with Kubernetes (K3s/K8s) and Docker. Skilled in driving platform modernization initiatives, batch/file interface orchestration, and end-to-end operational observability in fast-paced engineering environments.

WORK EXPERIENCE

Corteva Agriscience

Johnston, IA

Senior Automation Control Engineer

April 2025 – Present

Automation Control Engineer

December 2021 – April 2025

- **Platform Modernization & Decoupled Architecture:** Architected and delivered a modernized, decoupled data pipeline for a core enterprise application. Extracted rigid system dependencies to localized PostgreSQL databases and custom API endpoints, enabling flexible batch and real-time data exchanges across disparate internal and external data sources while accelerating processing speeds.
- **Edge Container Orchestration & Infrastructure:** Architected a multi-tenant edge infrastructure utilizing lightweight Kubernetes (K3s) and Docker to containerize custom application runtimes and sensor environments, allowing cross-functional engineering teams to instantiate isolated configurations on demand.
- **Enterprise Vendor & System Integration:** Designed and implemented seamless integration patterns connecting internal systems with third-party vendor platforms, hardware controllers, and SaaS observability solutions (Datadog, Prometheus). Defined strict interface contracts, data schemas, and error-handling protocols to ensure maximum uptime and data integrity.
- **Cloud Telemetry & AWS Infrastructure Integration:** Engineered a global telemetry framework across 100+ edge instances using Ansible and cloud-native monitoring patterns. Integrated localized Prometheus metrics with cloud observability platforms (Datadog) on AWS, reducing deployment times by 90% and enabling enterprise-wide system health monitoring.
- **Core Software & Resiliency Engineering:** Developed and maintained performant microservices and integration utilities utilizing Python, .NET C#, C++, and SQL databases. Built real-time operational dashboards using Grafana and Ignition while enforcing strict CI/CD delivery discipline (GitLab CI) and automated testing (xUnit/NUnit).

U.S. Cellular Corporation

Urbandale, IA

Automation Engineer – National System Performance

June 2018 – December 2021

- **Container Orchestration & Scalable Systems:** Deployed and managed containerized microservices and backend applications using RedHat OpenShift and Docker, leveraging enterprise Kubernetes management patterns to support nationwide system performance analysis.
- **CI/CD & Delivery Discipline:** Designed and deployed automated CI/CD pipelines using Jenkins and GitLab CI to streamline software delivery, enforce code quality standards, and accelerate platform release cycles.
- **Vendor Tool Intake & Technical Collaboration:** Directed technical intake and integration processes for corporate performance tools, translating complex business requirements into reliable, scalable software solutions in partnership with cross-functional IT and business teams.

Iowa State University College of Veterinary Medicine

Ames, IA

Part-time Support Specialist

June 2014 – August 2016

- Configured wired/wireless network setups, deployed enterprise IT hardware, and collaborated with cross-functional teams to resolve technical issues while maintaining high operational availability.

SKILLS

DevOps, Containers & Cloud: Kubernetes (K3s / K8s Edge Orchestration), Docker, RedHat OpenShift, AWS Architecture (Skill Builder & Solutions Architect Validation), Ansible, Jenkins, GitLab CI

Core Languages & Frameworks: Python, Microsoft .NET (C#), Java, C++, SQL Databases (PostgreSQL, Hive SQL), Web APIs, REST, Web Services

Integration & Vendor Solutions: Third-Party Vendor Integration, SaaS Platform Connectivity (ServiceNow/ Datadog), Interface Contracts, Enterprise System Modernization, Batch/File Processing

Observability & Resiliency: Datadog, Prometheus, Grafana, Automated Testing (xUnit, NUnit), Operational Resiliency, Secure Coding Practices

EDUCATION

Iowa State University

Ames, IA

Bachelor of Science, Computer Engineering

Graduated: Dec. 2017