

System Development Engineer

Company Overview

At Motorola Solutions, we believe that everything starts with our people. We're a global close-knit community, united by the relentless pursuit to help keep people safer everywhere. We build and connect technologies to help protect people, property and places. Our solutions foster the collaboration that's critical for safer communities, safer schools, safer hospitals, safer businesses, and ultimately, safer nations. Connect with a career that matters, and help us build a safer future.

Department Overview

The Avigilon group creates and maintains cutting edge video security and access control systems, including AI algorithms. Our solutions power key products from Motorola's leading brands including Avigilon/Unity, Pelco, and Alta, delivering intelligent and efficient customer experiences. Collaborating closely with hardware, firmware, and cloud teams, we ensure seamless integration and optimal performance of AI-driven technologies in cutting-edge security systems.

Job Description

As a System Development Engineer, you sit at the high-velocity intersection of Software Engineering and Systems Architecture, building the sophisticated tooling that allows our systems to provide the highest quality service. You will design and implement world-class Continuous Integration and Deployment frameworks. You will treat our internal infrastructure as a product, developing high-performance internal tools, APIs, and CLI utilities to automate complex operational logic. You will lead the charge in Infrastructure as Code (IaC) and build self-healing systems and automated remediation workflows that detect and fix issues before a human ever sees an alert. You'll bake security into the DNA of our systems.

Key Responsibilities

- Architecting the CI/CD Engine: Design, build, and optimize high-speed deployment pipelines. You ensure it's tested, secured, and deployed with zero downtime using Canary and Blue/Green strategies.
- Engineering Internal Platforms: You will treat internal services as products, developing APIs, custom CLI tools, and dashboards that empower software teams to self-serve infrastructure.
- Radical Automation & IaC: Eliminate manual toil by codifying everything. You will manage global-scale infrastructure using Infrastructure as Code (IaC), ensuring environments are reproducible, version-controlled, and immutable.
- Advanced Escalation & Reliability: Act as the "Engineer's Engineer." You provide support for complex distributed systems failures, performing deep-dive root cause analysis (RCA) and writing code to ensure the same failure mode never happens twice.

- Performance Tuning & Observability: Build the "eyes and ears" of our systems. You will implement advanced telemetry, distributed tracing, and automated alerting to maintain high availability and peak performance.
- Replicate complex customer deployment environments to execute comprehensive system integration and stability testing.
- Cybersecurity Compliance & Global Standards: Ensure that our systems meet/exceed strict global security standards.

Basic Requirements

Education & Experience

- 2 - 5 years of experience in system development, integration engineering, or QA automation.
- Bachelor Degree or Master Degree in Software Engineering, Computer Science or any relevant field.

Technical Competencies

- Proficiency in object oriented and scripting programming languages
- Strong Linux/Unix internals knowledge and a firm grasp of networking protocols (TCP/IP, DNS, HTTP/3).

Language & Soft Skills

- Advanced verbal and written English communication skills are required.
- Strong analytical mind with a proactive approach to breaking down and solving complex technical puzzles.
- Constant learner who proactively works through ambiguity.

What We Offer

- The unique opportunity to build and pioneer global security products directly out of Vietnam's thriving innovation center.
- An international, diverse, and multicultural R&D culture guided by world-class data scientists and chief engineers.
- Competitive salary and bonuses.



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Application link:

https://motorolasolutions.wd5.myworkdayjobs.com/Careers/job/Ho-Chi-Minh-Vietnam/System-Development-Engineer_R65274

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