

Senior Cyber Security DevOps Engineer

We are looking forward to meeting engineers who are enthusiastic about being part of a stand-out team, and eager to rapidly advance their career in devOps and defensive security area.

This is not your typical application development job.

At Garmin, we work with hardware that communicates to mobile applications and other devices. Garmin is a great place to work if you love developing products that make a difference and are passionate about technology.

Our benefits are designed to lead an evolving marketplace, support innovation and encourage a healthy balance between work and life. They allow our associates to make their own decisions about their wellbeing and future and consistently rank Garmin as a top tier benefits provider when compared to other high-tech employers.

Summary of the role:

Your role would be to contribute successfully in a high-performance, global, full-stack devOps team utilizing and developing powerful open-source-based tools to continuously improve cybersecurity and manage risk by:

- Adding services and systems to the Cyber Data Lake
- Validating and continually reviewing that all Garmin Crown Jewels are incorporated into Cyber Data Lake
- Soliciting feedback from Security Operations Center (SOC) and Cyber Data Scientists to identify opportunities to continually improve Cyber Data Lake abilities
- Executing release management using an approach that minimizes disruptions/negative impact

Technical Responsibilities:

- Own a data transport layer by **maintaining and improving high volume, multi-broker Kafka clusters** and working with other engineers to ensure a consistent and reliable flow of system and application logs.
- Facilitate long term data storage **by administering, maintaining, and upgrading Hadoop stack** and owning roadmap for future architectures of data lake technology for the long-term storage of processed information.
- Provide near term data storage solution by **developing a strategy for scaling out MongoDB no-SQL database** to provide a basis for tactical security decision support.
- **Provide infrastructure health** and monitoring strategy and develop Grafana and Prometheus monitoring interfaces to ensure devOps team has adequate understanding of subsystem health.
- **Administer release management infrastructure** using a Jenkins deployment system and bring experience with GIT to help contribute to consistently deployable deployments.
- Own **system administration duties using Ansible** or similar technology to orchestrate administration tasks across many systems to support various aspects of stack engineering.
- **Build a containerization strategy for app deployment**, architecting Kubernetes environments to simplify and scale services.
- **Manage configuration of system log visualization interfaces**, specifically Elastic Beats: filebeat, winlogbeat, etc as means of supporting data streams into analytical pipeline.
- Bring **deep knowledge of administering Linux** systems both in terms of system understanding and automation/scripting to orchestrate daily engineering duties.
- **Collaborate** with other IT and business teams **to integrate data sources into data analytics platforms.**

Team Fit Requirements:

- You write and understand regexes. You are often thankful you took the time to **learn** regexes.
- Bring **experience** working with data scientists and cybersecurity people.
- You understand the necessity for and demonstrate the **integrity** required to run the shop in a cybersecurity organization.
- Buy into the hype of automation and **machine learning** and have a passion to focus your career on its promise.
- You are not easily intimidated by **working with other high performers** and thrive working in a type-A team who is **passionate** about automation/big data/machine learning technology and its potential.
- The opportunities implied by the requirements above excite you. For that tech that you do not yet know, you're eager to learn it quickly and independently and are anxious to prove it. You realize training best comes self-taught and do not wait around for week long vendor classes.
- You would be interested in supporting open source projects.
- You live for this stuff. You choose the red pill.