



Principal DevOps Engineer

Summary/Objective

As a Senior member of the team, the Principal DevOps Engineer works alongside our Application Development, Security Research and Internal Hunt Teams to implement highly scalable distributed data solutions including the continuous delivery, optimization, monitoring, release management and support for all production and development application systems.

This role will drive vision for DevOps creation, operation of process automation, tooling to implement standards and boundaries in a way that empowers our application and hunt teams to help themselves for their infrastructure and deployment needs. Not only will this role be responsible for daily operations, it will also have the ability to shape architecture and automate all aspects of our environment to meet existing operations and future scalability requirements of the organization.

Primary Responsibilities

Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

- Develop training and mentor teammates.
- Serve as SME for multiple proprietary, commercial and open source technologies.
- Solution and Operate Enterprise Log Management (ELM) solutions based on technologies such as: LogicMonitor, AppNeta, ELK (ElasticSearch/LogStash/Kibana), Sensu and DynaTrace .
- Automate server and resource deployment, configuration management, operations with orchestration tools such as: Chef, Puppet, Ansible, Breeze, and Salt.
- Provide consultative assistance to other teams on leveraging automation to increase efficiencies in business development, operations, continuous improvement and monitoring.

Interpersonal and Functional Skills

- Proactively identifies and removes project obstacles or barriers on behalf of the team.
- A knack for owning tough problems. Leadership, mental fortitude and your ability to lead a team around complex problems.
- Shares knowledge, power, and credit, establishing trust, credibility, and goodwill.
- Excellent communication skills and the ability to interface with senior leadership with confidence and clarity, regularly communicating status, issues and risks.
- Skilled in providing oversight and mentoring team members. Shows ability to effectively delegate.
- Mastery in DevOps frameworks, best practices, processes, and culture.
- Must have excellent written and oral communications.
- Must possess excellent problem-solving and analytical skills and be able to translate business requirements into solutions.

Technical Skills

- 3+ Years experience with solutions such as: Elasticsearch, Lucene, Hadoop, Hive, Solr for search and log management in mid to high volume deployments.
- Elasticsearch experience in high performance index/schema design, relevancy scoring, query optimization, and redundancy.
- Experience with elastic cluster management and automation (Cluster maintenance, backup/restore, scripting maintenance steps).
- Experience with a broad range of tools, frameworks, and libraries, preferably including one or more of Big Data and Data Analytics, Machine Learning, Distributed Computing , Service-Oriented Architectures, NoSQL (Cassandra, MongoDB), Elasticsearch, messaging technologies such as Logstash, Kafka, MQTT or other MQ technology.



- Experience working with container technology such as Docker and/or Vagrant.
- Excellent understanding of data structures, algorithms, software engineering design patterns and principles.
- In-depth knowledge of automating infrastructure operations, configuration management and Linux system provisioning.
- Direct experience with automating technologies such as: Puppet, Nexus, Ansible, Jenkins, or Sonar.
- Programming expertise with one or more of the following languages: PHP, Python, Bash shell scripting or another interpreted language like Perl or Ruby.
- Experience with monitoring tools such as: Nagios, Zenoss, Zabbix, Cacti, Sensu, MetricBeat, FileBeat.
- Define standards for configuration, monitoring, reliability and performance.
- Deep Understanding of Red Hat/CentOS Linux and Debian Linux Operating Systems.
- Demonstrated experience with Linux System Administration, including performance tuning and package creation.
- Must possess experience in the solutioning and operation of complex server environments.
- Strong understanding of Apache, tomcat, jboss, nginx,
- Virtualization such as: (KVM/VMware, Openstack, Ovirt) design, optimization and operations.
- Assist in implementation of security best practices and initiatives at all levels of the infrastructure.

Requirements:

The following knowledge, skills and abilities have been identified as those that would most enable an individual to be successful in this role. Applicants will possess a strong combination of all or most of the skills to be competitive in the selection process.

- Must be a strategic thinker who can execute operationally – detailed, well-organized and flexible.
- Must be capable of expressing opinions, needs and direction.
- Must be an avid listener, capable of interpreting needs as well as receiving constructive feedback.
- Self-motivated, demonstrated ability to manage teams and develop team members.
- Attention to detail with a preference for quality over quantity.
- This role leverages a flex-schedule that may involve nontraditional working hours.
- This position is eligible to U.S. citizens physically residing in the U.S., any offer of employment is contingent upon background, drug screen & reference checks.
- This position requires minimal travel and can be a remote position for the right candidate.

Required Education and Experience

- B.S. in Computer Science, or equivalent experience.
- 10+ years of work experience.

The above statements describe the general nature and level of work being performed by individuals assigned to this classification. This is not intended to be an exhaustive list of all responsibilities and duties required of personnel so classified.