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| **Name:** | Srikanth Soma |
| **Title:** | DevOps Engineer/Cloud Engineer/Build and Release Engineer |
| **Target location:** | US-any |
| **Education:** | Masters in Computer Science |
| **Job type:** | Full time or Contract |
| **Email:** | 515-850-0521 |
| **Phone:** | Srikanth5a4@gmail.com |
| **Address:** | Centerville Park Apartments, Dayton, Ohio |

**SUMMARY**

* M.S. in Computer Science offering a strong academic background in Software development best practices.
* Consistently recognized for technical developing and troubleshooting skills used to rapidly and cost-effectively develop challenging technical software projects.
* Quick learner; equally successful in both team and self-directed settings; and proficient in a range of computer systems, languages and tools.
* Experience in the IT industry comprising of Development, Systems Administration and Software Configuration Management (SCM). Extensive experience includes SCM, **DevOps Build/Release Management**
* Worked on Build and Release management methodologies and Software procedures in all aspects of **SDLC**.
* Skilled at Software Development Life Cycles and **Agile Programming** & **Agile Ops Methodologies.**

**EDUCATION**

**Master of Science in Software Engineering**

Oklahoma Christian University, Oklahoma, OK (Jan, 2014-Dec, 2015)

**Bachelor of Technology in Computer Science Engineering**

Jawaharlal Nehru Technological University, Hyderabad, India (May, 2008- May, 2012)

**RELATED COURSE WORK**

C, Advanced data structures and Algorithms, Design and Analysis of Algorithms, C++, Java, Internet Protocols, Software Design Patterns, Software Construction, Risk Management, Database Management System, Software Lifecycle, Software Architecture, Software Project Management

**TECHNICAL PROFICIENCY**

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| **Languages:** | C,C++,Python |
| **Scripting languages:** | Bash |
| **CI tools:** | Jenkins |
| **Deployment tools:** | Ansible |
| **Build tools:** | Maven |
| **Repository:** | SVN, Git, GitLab, GitHub, Microsoft TFS, Stash |
| **Cloud computing:** | Amazon Web Services |
| **Methodology:** | AGILE, Waterfall |
| **Databases:** | SQL server 2008/2005,RDBMS, MySQL |
| **Operating systems:** | Windows, Linux |
| **Testing tools:** | NUNIT, Selenium |
| **Containers:** | Docker, EC2 Container Service |
| **Webservers:** | Apache,Ngnix |
| **Hashicorp Tools** | Terraform, Packer, Vagrant |
| **Code Quality Tools** | SonarQube |

**WORK EXPERIENCE**

**LexisNexis, Dayton, Ohio March 2017 - Present**

Cloud Engineer

Responsibilities:

* I worked on doing spikes on **AWS Config** and wrote cloud formation scripts to deploy **AWS Config** and Its rules. Wrote custom config rules in python boto3 in **AWS Lambda** to find out non-compliant resources.
* Wrote **Cloud Custodian** policies to identify non-compliant resources and take actions like notify and delete those resources.
* Wrote **Python** unit test cases.
* Wrote **Python boto3** scripts to delete default **VPC’s**
* Wrote server-side scripts to handle http post requests using **Python Flask App**.
* Wrote cloud formation scripts to deploy **S3 SNS Lambda** to trigger **Step Functions** state machine when an object is created in S3 bucket.
* Wrote custom python boto3 scripts to check the limits of aws services using **Trusted Advisor** Service and alert DevOps team using **SNS** Topic when the service usage reached to warning (50%) and critical (80%) To increase the service limit capacity.
* POC on amazon **EMR** and wrote **cloud formation** template to Install, configure Jupyter notebook on **Amazon EMR.**
* Created **continuous delivery** workflow using **docker** and **ansible** to accelerate application delivery and build scalable architecture platforms. Allowing us to continuously test, build and release and continuously deploy application to **AWS** by leveraging **EC2 container service** for running **docker containers** in production.
* I worked on doing spikes for monitoring **AWS** Infrastructure using **cloud watch**.
* Experience working with **Ansible** configuration management tool.

**John Deere, West Des Moines, Iowa** March 2016- Feb 2017

DevOps Engineer

Responsibilities:

* Setup and install dedicated **Jenkins** servers for each project.
* Creating builds for **Continuous Integration (CI)** in each server
* Creating a build flow between **Jenkins** and **Ansible** deploy.
* Setup several environments and roles for each environment.
* Custom built **Docker** containers.
* Built a **CI/CD Pipeline** using **Amazon Code Pipeline** and **Elastic Bean Stalk** in automated fashion**.**
* Deployed **Docker** containers to several environments as needed.
* Actively practiced **Test Driven Development (TDD)** for scripts.
* Expertise in creating and setting up **SSL** certificates.
* Migrating physical servers to **AWS.**
* Built a **highly scalable** and **fault tolerance** architecture using **terraform** and **cloud formation** on **AWS.**
* Created self-healing system configurations using **ELB**, **Auto Scaling**.
* Created and Deployed several cloud formation scripts for various resources like **EC2, ELB, and Security groups, RDS, S3, ECS, SNS, SQS, VPC, Opswork, CDN, Elastic Beanstalk, EMR and Route53 etc.**
* Configured **NAT** Instance and **Bastion** Host assign **Elastic IP’s** to enhance security on **EC2** resource.
* Wrote **Python** **boto3** scripts to take **EBS snapshots** of EC2 Instance.
* Automate the infrastructure using **Terraform** and **Chef** recipes using **opswork** for deployment.
* Created **S3 Bucket lifecycle policy** and setup **Amazon Glacier** as a backup for S3 objects using cloud formation.
* Worked on core AWS services further setting up new server **EC2** instances, configuring **security groups** and setting up **Elastic IP**, **auto scaling configuration**
* Experience in using **AWS command line EBS** (Elastic Bean Stalk)
* Install and configure **Kafka** on **AWS.**
* Exposure to **Vagrant** and **KVM.**
* Primary responsibilities include Build and Deployment of the java applications into different environments like **Dev, QA, CERT and PROD**.
* Setting up **SonarQube** to generate Unit-test coverage reports, Integration coverage reports and mutation coverage of JavaScript, java and Scala code present in GIT repository.
* Experience with build tools **Maven** for writing **pom.xml**.
* Responsible for troubleshooting of application’s code coverage report on Sonar dashboard
* Automated the sonar code coverage reports using **Jenkins DSL Scripts**.
* Setup **Artifactory** on **AWS** using **NGNIX and Apache**.
* Created Build pipeline in **Jenkins**.
* Wrote build scripts using **Bash** to efficiently run the projects on the build system.
* Experience with setting up log reporting tools such as **ELK.**
* Experience working with **JIRA**.
* Configured and Administered **Nexus Repository Manager** and **JFrog Artifactory**.
* Migrated **Sonar from 5.1.2 to 6.1** using **Terraform** on **AWS** with zero downtime following **blue/green** deployments**.**
* Set up **Nagios and AWS Cloud watch** as monitoring tools for several **Linux** servers.
* Setup **DNS**, **Firewalls**, and **Load Balancers, LDAP, SSL**.
* Experience in automating infrastructure in **AWS** using **Cloud Formation** and **Jenkins**.
* Experience working with **Packer** to build an **AMI**.
* Setup **JFROG** **Artifactory** and connected it to Jenkins to collect the Artifacts generated by builds.
* Used **Jacoco** and **Pit** for maven projects to get the code coverage reports.
* Experience working on **LINUX** environments.
* Experience working with **SQL** database.

**Environments**: AWS, Linux, Github, Sonar, Putty, Winscp, Nexus, Artifactory, NGNIX, Apache, Packer, Terraform, Maven, Jenkins, Nagios, DNS, Firewalls, Apache, SSL, Docker, SQL, Bash

**SMART SOFT SOLUTIONS, HYDERBAD, INDIA** June 2012- Jan 2014

DevOps Engineer/Cloud specialist

Responsibilities:

* Install and configure **Jenkins** from level 0 on AWS migrated jobs from old Jenkins server to the new server authenticated Jenkins to use GitHub credentials created a mechanism to run Jenkins jobs when changes are pushed into GitHub
* Setup **LDAP** to create user profiles and authenticate them against Jenkins.
* Played a role of **AWS** **IAM** admin.
* Created, updated and maintained Jenkins slaves on AWS. Created a cost-effective mechanism to back up all the Virtual Machines.
* Experience working with **Bash** Scripting
* Created several **S3** **buckets** on **AWS** and setup environments (**devl**, **qual**, **prod**) with restricted access. Setup several jobs on Jenkins which can move files between S3 environments on successful completion of the preceding job.
* Managed and configured network whenever required.
* Single handed trouble shooting of several issues with the build system
* Administered **GitHub** and helped setup **GitHub** accounts for new employees.
* Primary responsibilities include Build and Deployment of the java applications into different environments like **Dev, QA and PROD**.
* Integrated **Maven** with **GIT** to manage and deploy project related tags.
* Creating a build flow between **Jenkins** and **udeploy**.
* Installed and administered Tomcat repository to deploy the artifacts generated by Maven and to store the dependent jars which are used during the build.
* Support Lead developers with Configuration Management issues.
* Used **Nexus** tool to manage the repository in **Maven** and used the same to share the snapshots and releases of internal projects.
* Resolved system issues and inconsistencies in coordination with quality assurance and engineering teams.
* Installed and Configured **Jenkins** and created END-END automation for projects.
* Carried out deployments and builds on various environments using **Jenkins** continuous integration tool.
* Build, configured and support Application team environments.
* Worked as a system administrator for the build and deployments process on the enterprise server.
* Experience in troubleshooting networking and firewall related issues on different flavors of **Linux**.

**Environments:** Bash, Maven, GIT, Jenkins, Linux, AWS, Nexus, ELK