



**Shashank Reddy
Sunkara**

DATE OF BIRTH:

05/04/1994

CONTACT

Nationality: Indian

Gender: Male



1-9-1296/4, Deendayal Nagar,
Hunter Hills, Hanamkonda
506001 Warangal, India



sunkaras58@gmail.com



(+91) 8121755566

WORK EXPERIENCE

15/10/2020 – CURRENT – Gurgaon, India

Senior DevOps Engineer / DevOps Team Lead & Manager

Datacultr

- **Lead the DevOps Team** of 3 people.
- Took lead in **Azure to AWS migration** tasks by using migration tools & also manual way and **successfully migrated in 3 weeks** by reducing **VMs footprint** from **75 to 31** by optimizing the usage.
- **Set up ALB, EIP, NAT, EC2, S3, Advanced monitoring on services, cloud watch, RDS, beanstalk, Migration services, SG, VPC, IAM, Cloud front, X-Ray, Cloud Formation, Kinesis, AWS Cost explorer, Budget and Billing, Auto-scaling and alerts.**
- Created **multiple dashboards** for **AWS services, Servers** metrics in **Grafana** with dynamic selection of parameters.
- Installed **Prometheus, Node exporter, blackbox exporter, cadvisor** in a **docker-compose** format in all **production, staging** and **testing servers with persistence storage.**
- Gathered user requirements from multiple teams like **dev team** and **L1-support** team to craft efficient **monitoring, alarming solutions**, and **dashboards** in **grafana, zabbix** and in **kibana.**
- Tracked down and **eradicated the attackers virus** (bit mining viruses that utilizes 100% of CPU resources and causes full load), unauthorized keys, **phantom scripts** and so forth securities that compromised in backend and database servers.
- Modified **Nginx** configuration to **block unauthorized hits** in endpoints by use of **error blocks** and **fail2ban.**
- Architect, design, develop, deploy, and maintain the enterprise logging platform using **ELK.**
- Configured **Filebeat** to trace specific file paths on your host and use **Logstash** (ELK Stack) as the destination endpoint.
- Cognizance on different agents like log files (**Filebeat**), network metrics (**Packetbeat**), and server metrics (**Metricbeat**).
- Configured **3 nodes** setup for **Elasticsearch, Logstash** and **Kibana** stack.
- Support the development team with **front-end visualization** dashboards using **kibana.**
- Created **nginx kibana** dashboard to show number of https hits from client and categories of **200,404,400** and **500** http response codes in numbers.
- Worked on **Sentry** application performance monitoring (**APM**) tool to debug issues in **transactions** via applications, and backend servers, etc.
- Manages environments requests and environment allocation to project teams.
- Own the **Production, Staging** and **Development infrastructures.**
- **Design, manage, test, document, automate, deploy, secure, monitor, scale, descale, support** and **sustain the 24/7 Bare Metal, Amazon EC2, Azure private cloud architectures.**
- **Day to day support** for applications hosted on **Azure** or other **Cloud providers like AWS.**
- **System administration** in support of **Linux, Nginx, MongoDB, Django, Python, Kafka, Elastic, and Go.**
- Setup and manage the end to end **CI/CD** pipeline with **Jenkins** for **Production** and **staging** environments.
- **Merge test** and **staging** applications into its designated specified single stage and test VM respectively to reduce VM footprint and cost in the **Azure** and **AWS** infra cloud.

27/06/2019 – 29/03/2020 – McLean, United States

DevOps Engineer

Freddie Mac

- Managed health of the environment and proactively coordinate as well as resolve the environment downtime related issues.
- Initiated and tracked the environment build-out requests for traditional as well as new technologies like **Docker, Open Shift, and Cloud** etc.
- Worked on **APM** tool **App Dynamics** to get **stack trace, bread crumbs** on **transactions** with duration of execution or processing time and provide **RCA** to Lead and manager of project at **production** level.
- Created **Grafana alerting** setup by use of alerting feature that can communicate with **dev** and **L-1 support teams** through **Slack**.
- Configured **CloudWatch, Prometheus, influx DB datasources** in **grafana**.
- Installed **worldping** plugin in grafana to get **ping, ICMP** checks on URLs of applications.
- **Architect, design, develop, deploy**, and **maintained** the **enterprise** logging platform using **ELK**.
- Configured **dashboards** to **monitor** multiple **containers, servers, URLs, network**, and **RDS** in **Grafana**.
- Contributed in design understanding the architectural tradeoffs including **Scalability, Resiliency, High Availability** and **Security**.
- Performed capacity planning and solution review related to the **ELK** environment.
- Worked with data **log streaming platforms** and tools to ingest data from systems, applications, and access logs.
- Designed and built **multi-tenant dashboard** solutions in Kibana and Grafana.
- Actively contributed to improving the **ELK** ecosystem.
- Optimize and tune the **ELK** environment (**File beat, logstash**) to meet the **performance** requirements.
- Hands-on experience with supporting **Elasticsearch** in **production**, handling **medium** to **large clusters**.
- Experience in setting up **ELK Stack** (Elasticsearch, Logstash, Kibana stack) to process data from multiple data sources
- Experience with **Kibana visualization strategies**, controls and techniques
- Experience with Elasticsearch index configuration options, **sharding, aliases**, etc.
- Troubleshooting lower environments like **Dev & cert** and higher environments like **UAT, Maint, Perf & Prod** and application issues.
- Ensuring Non-Prod environments stability and availability.
- Worked on **ELK** to view logs and created **dashboards** for the graphical representation of metrics.
- Supporting New production environment build out and deployment.
- Maintains and Manages software version modification of project ecosystem.
- Develops and maintain a **CI/CD pipeline** and **ansible scripts**.
- Applies experience of **DevOps/SCM** best practices to enable highly available & reliable systems.
- Take full end to end ownership of certain elements/business processes/capabilities within the **Atlassian** suite.
- Vetting new Atlassian feature ideas, configurations etc.
- Maintains up-to-date knowledge of the Atlassian products, process best practices and obtain and maintain certification with the various Atlassian products.

- Maintains Atlassian tools in both a **Unix** and **Windows** environments. Performs end-user activities in the Atlassian tools, such as create maintain **workflows** in **JIRA**, author content in **Confluence**, create build plans in **Bamboo**, etc.,

14/04/2018 – 27/05/2019 – Moline, United States

IT Technical Analyst IV

Deere & Company WHQ

- Involved myself in discussions related to **application production issues** with **Architects, tech leads, infrastructure analysts, business analysts** and **developers**.
- Proficiently served my **cloud foundry** skills to **resolve timeout issues, blue-green deployments** in **testing** and **production** environments.
- Created docker-compose files with services like **Grafana, prometheus, node exporter** and **black-box exporter**.
- Managed monitoring services installed like **Grafana, prometheus** in **ubuntu** servers with **CPU, RAM, IOPS** and **throughputs** for better **performance**.
- Delivered effective **technical support** (application, software and operations) in all environments for a critical **legacy application**.
- Involved in the **technical incident resolution** with prioritization and escalation by involving **business, application, DBA** and **ops teams**.
- Resolved issues related to application code enhancements and deployments in **cloud, CI/CD pipelines, ELK** logs, **performance monitoring** and **database querying**.
- Collaborated with development team to troubleshoot and resolve issues.
- Interacted and contributed my work with multiple team in flow dock collaboration tool.
- Enhanced the **micro services** code using **12 factors** which had resolved the major production issue and thus satisfied business requirements.
- Responsible for the maintaining and succeeding the pipeline jobs as green in **Jenkins, micro services, Git/Subversion repositories, ELK** and **Cloud Foundry data centers, OpenStack instances**.
- Collaborated with architect to resolve the issues.
- Strengthened developmental methodologies and maintenance of process and associated scripts for automated build, testing and deployment of applications to various environments.
- Deleted and created new pipelines for the applications that causing the issues.
- Written **groovy** and **shell scripts** for **Jenkins jobs** as a POC for the new implementation of jobs functionalities.
- Performed **Solr indexing** with verification on prod environment for syncing data from **DB2 to Solr**.
- Provided **production support 24/7** using **application performance management tool** like **app dynamics** for all the business-critical applications by use of stack traces, transaction time, nodes health, etc.
- Worked on **SiteScope** alerts related to application production outages and provided **RCA** with **3L5Y**.
- Worked on **ELK** stack for the purpose of logs and maintained the **Kibana** instances when the space runs out by using **Linux** commands.
- Utilized **JFrog** artifactory to upload/download the build artifacts after a successful build.
- **Installed, configured, and administered** Jenkins and PCF dev on Linux machines in **OpenStack**.

Software Engineer

Softworld Technologies

- Involved in all phases of Software Development Life Cycle (SDLC) like requirements gathering, **analysis, design, development**, and **deployment** of various modules.
- Analyzed user **requirements, procedures**, and problems to **auto mate** processing or to improve existing computer systems.
- Interacted with the system/business analysts to understand the business requirement before translating into non-functional **HTML** pages.
- Conferred with personnel organizational units involved to analyze current operational procedures, identify problems, and learn the specific output requirements.
- Documented detailed descriptions of users need to develop functional and technical specifications.
- Worked on **Grafana, prometheus** and **exporters** to monitor servers.
- Collaboration with teams and attending technical meetings for discussing on **application disaster recovery plans** and **deployment rollback plans**.
- Use of computer/software technologies like **Jenkins, Cloud Foundry, AngularJS, Dynatrace, HTML, CSS, ELK, Web UI design, Java/J2EE**, and **spring boot** to provide solutions to user needs.
- Worked on micro services & its enhancements, **NoSQL** database, and **SQL** databases.
- Performed command line execution of **scripts, configurations, CRON** jobs.
- Utilized **AppDynamics** to monitor at application level performance.
- Execution of the commands through Jenkins jobs on **Cloud foundry** environment.

EDUCATION AND TRAINING

27/08/2016 – 05/12/2017 – 800 University Dr , Maryville, United States

Masters

Northwest Missouri State University

<https://www.nwmissouri.edu/index.htm>

16/08/2012 – 08/05/2016 – 66, Jntu Rd, Ashok Nagar, LIG, Kukatpally Housing Board Colony, Kukatpally, Hyderabad, Telangana, Hyderabad, India

Bachelors

JNTUH - Jawaharlal Nehru Technological University

<https://jntuh.ac.in/>

DIGITAL SKILLS

Cloud

Amazon Web Service (AWS) / Cloud Foundry / Microsoft Azure / Server 4you / Open-Stack

CI-CD

Jenkins / TravisCI / GitHub Actions / GitLab

Configuration Management Tools

Terraform / Ansible

Log Monitoring Tools

Splunk / ELK (Elastic search, Logstash, Kibana)

Infra/Server Monitoring Tools

Zabbix / Grafana

Application Performance Monitoring Tools

App dynamics / Dynatrace APM

Webserver technologies

Web servers IIS Server Apache and NGINX

Databases

WebLogic 12c / PostgreSQL / MongoDB, MySQL

Container Technologies

Kubernetes/OpenShift / Docker / OpenShift

Programming Languages

Java / Groovy / Python / Go-Programming

Scripting Languages

Bash

Message Broakers

Apache kafka / Redis / RabbitMQ

Operating Systems

CentOS / Linux / Ubuntu / Microsoft Windows / Kali Linux

Miscellaneous

Confluence / Apache SOLR / Tableau / Visio / Maven / Stratos UI / Git / Filebeat / Slack / Prometheus / JSON / Microservices / Jira / Bare Metal

HONOURS AND AWARDS

04/10/2021

DevOps Deployment Automation with Terraform, AWS and Docker – Udemy

Certification award in completion of my project of automating the production-grade deployment of dockerized applications in AWS using Terraform.

<https://www.udemy.com/certificate/UC-9fcc49bb-b6be-416c-a4dd-22e0bb1f77d0/>

CREATIVE WORKS

27/06/2021 – CURRENT

Professional Blog

My Professional Blog provide details about my job experience, skills, CV, technical blogs, and more

<https://shashankreddysunkara.github.io/CV/>

LANGUAGE SKILLS

MOTHER TONGUE(S): Telugu

OTHER LANGUAGE(S):

English

Listening C2	Reading C2	Spoken production C2	Spoken interaction C2	Writing C2
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Hindi

Listening B1	Reading B1	Spoken production B1	Spoken interaction B1	Writing B1
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German

Listening A1	Reading A1	Spoken production A1	Spoken interaction A1	Writing A1
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