Satish Karengula

☎ +65 81487357
✉ satish.karengula@gmail.com
in linkedin.com/in/satish-karengula-72757038/

Executive Summary

➢ DevOps Engineer with overall 10+ years of hands-on experience in architecting, automating and optimizing mission critical deployments over large infrastructure, currently working in **UBS AG Singapore.**
➢ Well versed experience with Configuration Management tools - **Ansible, Puppet, Chef**; Infrastructure as Code – **Terraform, CloudFormation**, developing CI/CD with **Jenkins** and **GitLab**, monitoring tools – **AppDynamics, Splunk, Kibana, Prometheus.**
➢ Extensive knowledge in containerization with **Docker**, Orchestration with **Kubernetes, Pivotal Cloud Foundry.**
➢ Experience in deploying and maintaining applications on **Microsoft Azure** and **Amazon AWS** cloud providers, such as:
   Azure Services – **Azure AD, App Services, VMs, Load balancers, gateways, Storage, AKS, Even Hub, etc.**
   AWS Web Services – **EC2, EKS, EBS, S3, ELB, Cloud Front, ElasticIP, Route53, etc.**
➢ Sound knowledge in **Banking Domain** and **Infrastructure** with solid understanding of End-to-End application flow which involves several IT components like **DNS, Networking, Firewalls, Load Balancers, proxies, APIs, Micro services, Message Queues, Databases, etc**.
➢ Expertise in **Linux Administration** and automation with **Python, bash scripting**.
➢ Thorough with the ITIL processes - Incident management, Release management and Problem management.
➢ Experience in leading cross-functional team in the Global delivery model with the teams working in different geographies and time zones.
➢ Excellent communication and presentation skills along with team management.
➢ Committed to continuous learning and embracing new challenges.

Technical Skills

➢ Working experience with following tools (includes but not limited to):

▪ Configuration Management	:	**Ansible, Puppet**
▪ Containerization	:	**Docker**
▪ Container Orchestration	:	**Kubernetes, Azure Kubernetes Service (AKS), Amazon Elastic Kubernetes Service (EKS - AWS), Docker Swarm**
▪ Cloud providers	:	**Azure, AWS**
▪ CI/CD pipelines	:	**Jenkins, GitLab**
▪ Provisioning tools (IaC)	:	**Terraform, Cloud Formation**
▪ Source Code Management	:	**GIT**
▪ Source Code Repositories	:	**GitHub, GitLab, Bitbucket**
▪ Build tools	:	**maven**
▪ Scripting	:	**Python, bash**
▪ Monitoring:	:	**AppDynamics, Splunk, Prometheus, Grafana**
▪ Management tools:	:	**Jira, Confluence**
▪ Operating systems:	:	**Linux, Windows**
▪ Databases:	:	**Oracle, MySQL, PostgreSQL**
▪ Data Representation Language	:	**YAML, JSON**

Certifications

➢ AWS Certified DevOps Engineer – Professional (verify here).
➢ AZ-900 - Azure Fundamentals (verify here).
➢ AZ-104 - Azure Administrator Associate (verify here).

Work Experience

DevOps Engineer

UBS AG (April 2020 – present) – Permanent staff

➢ Worked closely with key stakeholders including developers, architects and project managers across all stages of deployment such as Integration, Test, Staging and Production.
➢ Built continuous integration and continuous deployment (CI/CD) pipelines using Jenkins, GitLab and resource deployments using ARM templates.
➢ Participate in the Agile DevOps design, development, testing, and release of new capabilities and features.
➢ Involved in redesigning Monolithic application to micro services, deployed and orchestrated them using Kubernetes, Pivotal Cloud Foundry.
➢ Configuring and supporting the DevOps tools including Git, GitLab, maven, Ansible, Puppet, Nexus Artifactory, SonarQube.
➢ Responsible for writing Ansible playbooks with Jinja2 templates (dynamic configuration) for deployments on both on-premises and Cloud platforms like Azure.
➢ Responsible for ensuring additional security with firewalld configuration using puppet for Digital Banking applications.
➢ Participating in deploying, automating, maintaining and managing Azure cloud based production systems to ensure the availability, performance, scalability and security of productions systems.
➢ Integrating applications with monitoring tools like AppDynamics, Splunk, Prometheus, Grafana.
➢ Proactively communicate and coordinate with multiple project teams.

Linux System Administrator and Operations Engineer

UBS AG (June 2016 – April 2020) – from Infosys Ltd.

➢ Worked on Administration, installation and maintenance of the physical and virtual IT infrastructure.
➢ Responsible for application availability and stability and perform maintenance activities.
➢ Worked on application deployments to Cloud, Pivotal CloudFoundry and on-premise servers.
➢ Responsible for conducting Linux Servers OS patching, Middleware patching, Certificate handling and ensuring smooth application experience to end users.
➢ Responsible for handling and driving Incidents on PRODUCTION and TEST environments, following up for permanent fixes (Problem Management) with Development teams.
➢ Proactive monitoring of applications using AppDynamics, Splunk, Abilisoft, Kibana, etc.
➢ Responsible for solving bottlenecks in Infrastructure like high utilization of CPU, Disk, Memory, JVM Heap etc.
➢ Worked on Autosys scheduler for End of the day (EoD) and Start of the Day batch jobs.
➢ Involved in Release Management/Change Management activities such as gatekeeping the deployments to TEST and PRODUCTION systems.
➢ Automated several operational tasks using Ansible playbooks, Python and Bash scripting.
➢ Knowledge in Networking, Firewalls, Load Balancers, Proxies, Web and App Servers, Message Streaming, Databases, etc.

Systems Engineer

Microsoft (February 2013 – June 2016) – from Infosys Ltd.

➢ Worked on Microsoft Volume Licensing suite of applications.
➢ Responsible for handling business queries from Clients of Microsoft about licensing and agreements.
➢ Responsible for executing MSSQL queries, writing ad-hoc SQL queries, generating reports.
➢ Contributed in building automated tool to execute SQL updates with maker-checker (dual control) process.
➢ Good understanding on IT Operations, ITIL Processes, Policies, and Compliance.

Education

- ➢ **Bachelor of Engineering** with distinction from Vasavi College of Engineering (affiliated to Osmania University), Hyderabad, Telangana, India.

- Satish Karengula