



Satish Karengula

+65 81487357
satish.karengula@gmail.com
<https://www.linkedin.com/in/satishkarengula>
www.satishresume.com

Executive Summary

- DevOps Engineer with overall 11+ 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, Event 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 *[click badge to verify]*



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 firewall 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