

Aakash Dixit

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Summary

Over 9+ years of IT Industry experience as Software and DevOps Engineer with interest in developing, automating, and implementing cutting edge technology, open-source tools, and cloud-based services. Clear Quest in Linux and containers (Docker, Kubernetes) environments. Curated Jenkins Pipelines and written shell and python scripts put me in front row to automate repetitive tasks, deployment of critical applications, and proactively manage change with the help of Ansible playbooks and terraform. I'm a highly motivated team player and autodidact with great interpersonal abilities.

WORK EXPERIENCE

Capgemini Engineering Pvt Ltd - Senior Professional I

May 2021 – current

Gurgaon

- Design and implemented appropriate Cloud (OpenStack) environments for 9+ applications under one PCRF (Policy and Charging Rules Function) Virtualized Network Functions (VNF).
- Ensuring project documentation, i.e, HLD, LLD, CiQ, MOP are created and updated, including design, planning, deployment, and upgrade documentation.
- Managing and maintaining Cloud environments (OpenStack), automation (Shell and Python), monitoring (Grafana and Prometheus), disaster recovery/backups, and capacity planning of VMs in PCRF VNF.
- Automating the provisioning of Instances and Pods in the cloud environments using YAML and JSON files.
- Creation of Docker files which are used to automate the image building and instantiation of PCRF containers.
- Setting up Continuous Integrations (CI) pipelines on Jenkins to enable every commit made by developer gets integrated in the testbed environment.
- Once code is manually verified, with the help of Continuous Deployment (CD) pipeline production deployment.
- Creation of shell script to automate the integration of external elements with PCRF VNF.
- Spearheaded 5+ junior engineers in the team to gain experience in Cloud technologies, processes, and best practices to fulfil PCRF project requirements.
- Day to Day task based on the requirement following the Agile Methodology.
- Troubleshooting system, application logs to debug the real cause behind the issue raised via JIRA tickets.
- Regular interaction with the shareholders (Customers, Project Managers, other product owners and team members) to update the status of the project.

Mobileum Technologies Private Limited - Lead Deployment Engineer

December 2020 - April 2021

Bangalore

- Configured and deployed Revenue Assurance (RA) and Fraud Management (FM) Logic on Virtual Machines over Linux OS.

- Managed automation, auditing tools for security, compliance, and resource usage.
- Managed Git Repositories and relevant permissions including branching and tagging.
- Participated in capacity planning and provisioning of infrastructure for RA and FM customers.

Ericsson Global India Private Limited - Solution Integrator

January 2016 - December 2020

Gurgaon

- Setup and managed Ericsson Intelligent Network on Baremetal, VMs and on cloud network comprising of 120+ Linux servers in/without cluster with 99.9% up-time for MTN and Airtel project.
- Wrote Python scripts to automatically update system configurations resulting in saving 30% config team time.
- Performed UATs & Updates based on the customer expectations and regular feedbacks with Agile Methodology.
- Installed and configured IN nodes to constantly monitor traffic bandwidth, memory usage, and hard drive status.
- Built and deployed Docker containers to break up monolithic app into microservices, improving developer workflow, increasing scalability, and optimizing speed.
- Performed Upgrade/Install emergency patches and correction packages on Ericsson applications.

One97 Communications Private Limited - Software Engineer

February 2015 - January 2016

Noida

- Provided administrative support for RBT nodes.
- Collaborated with and garnered feedback from product managers and analysts, and documented user data.
- Created Excel and MySQL query for stakeholders to help business products planners to create business plans to get released in the market.
- Built MySQL scripts to create business KPI reports for business teams.
- Monitored alarms using Eagle ticketing tool and resolving the issues within predefined SLA time.
- Monitored the Servers performance using with performance monitoring tools like iostat, vmstat, netstat, etc.
- Worked on Mysql Db, JBOSS, Apache tomcat application servers.
- Aided users through on-call for outage issues and Involving in the Bridge-calls for outage issues.

Mahindra Comviva - Support Engineer

April 2013 - December 2014

Gurgaon

- Handled RBT for Airtel Africa, Vodafone Fiji, Orange Jordan, Omantel Oman.
- Augmented new servers, implementing, configuring, and testing new products and services.
- Daily database backups and updates.
- Database and platform migration and purging activities.
- Troubleshoot technical problems and fixing customer issues as priority.
- Executed complex SQL queries for urgent data provisioning and on-demand extracting information for business teams.

EDUCATION

C-DAC – Pune

PG Diploma in IT Infrastructure and System Security, IT Infrastructure

August 2012 - February 2013

Rajiv Gandhi Proudhyogiki Vishwavidyalaya - Bhopal

Bachelor Of Engineering, Electronics and Communications

SKILLS

Linux; Git; Kubernetes; Docker; MySQL, NoSQL; AWS; RedHat OpenStack; Jupyter Notebook; Terraform, Ansible; Python; Shell Scripting; Jira; Confluence; Jenkins; Prometheus & Grafana; GitLab

CERTIFICATIONS

- Amazon Web Services (AWS) – Validity from 18th August, 2020 till 18th August, 2023
- RedHat OpenStack (RHOS) – Validity from 16th March, 2021 till 16th March, 2024
- Certified Kubernetes Administrator (CKA) – Validity from 5th March, 2022 till 5th March, 2025
- Ericsson Certified Associate - Ericsson Cloud – Validity from 31st July, 2020 till No Expiration
- Post Graduate Certificate in Data Science(UpGrad) – Validity from 22nd December, 2020 till No Expiration