

Ranjitha Lunkappa
SENIOR DEVOPS DEVELOPER

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Experience Summary

- Total experience of **7+ years in DevOps Development.3**
- Experienced DevOps professional with expertise in **design** and **development** using **Python** and **Ruby**. Worked on **Software Development** and **Operations** and **deliver** software products.
- Automated the process of deploying **AWS resources**. Took part from the **design** process of using AWS resources regarding the services like deciding on the type of **EC2 instances**, make **design decisions** on auto scaling, design and automate the process of **IAM roles** for the EC2 instances, automated the creating of **security rules**, working closely on the design and automations of adding **certificates** for system access, designing the flow from **route53** to the systems through **reverse proxies**, **S3 buckets** and many more services using **Ruby** and **Python** coding. This gave me high expertise in **designing, software development (Ruby and Python) and deployment**.
- Proficient in **Python**, **Ruby** programming, and **Shell Scripting** for automating tasks, building scripts, and developing applications in the DevOps domain.
- Participated in planning the cost reduction on **AWS services**.
- Expertise in **Terraform** coding to deploy services on cloud.
- Proficient in a broad range of **AWS services**, including but not limited to **EC2, S3, ELB, RDS, SQS, VPC, EBS, AMI, SNS, IAM, R53, RDS, Cloud Watch, code commit, code build, and code deploy** and **Azure services like Azure Repoz, Azure Pipeline, Azure Boards, Azure test plans**.
- Demonstrated ability to leverage **Chef** and **Ansible** for centralized configuration management, ensuring consistency and adherence to standards across diverse infrastructure environments. Skilled in managing configuration drift and enforcing desired state configurations.
- Developed complex build, test, provision, secure, and deployment systems. Managed servers on the **Amazon Web Services (AWS)** platform instances using **Chef** configuration management.
- Proficient in cloud platforms such as AWS and Azure with expertise in containerization technologies like Docker and Kubernetes.
- Created and maintained various DevOps-related tools for the team such as provisioning scripts, deployment tools, and development and staging environments on **AWS**.
- Cloud Experience in Designing, Architecture and implementing scalable cloud-based applications using AWS and Azure.
- Hands-on experience in integrating **Terraform** with **CI/CD pipelines** to automate infrastructure deployments. Familiarity with tools like **Jenkins, GitLab**, and **CI/CD** to achieve continuous integration and delivery of infrastructure changes.
- Version control and source code management using **GitHub**.
- Proficient in automation of build process (Build Automation) for setting up, configuring, and managing Jenkins pipelines for automating build, test, and deployment processes. Experienced in creating **Jenkins** jobs, configuring plugins, and integrating with other tools to enable seamless **CI/CD** workflows.
- Participated in various application life cycle development steps from development and QA to production.
- Automating the process of configurations and maintenance of **Chef Master Server** and managing Nodes.
- Proficient in designing and deploying infrastructure using **Terraform** to provision and manage cloud resources across multiple platforms such as **AWS** and **Azure**. Skilled in writing modular and reusable **Terraform code** for infrastructure provisioning, configuration, and orchestration.
- Automated the configurations of the servers for monitoring and monitored the performance **metrics of the production servers** and then fixing on the same.
- Knowledge of load balancing and setting up **load balancers** and **firewall rules** in an enterprise environment and automating the process.

TECHNICAL SKILLS

Programming Skills	Python, Ruby, Terraform, Java, PowerShell
DevOps Coding Tools	Terraform
Configuration Management Tools	Chef, Ansible
Continuous Integration/Deployment Tools	Jenkins
Cloud Platforms	AWS, Azure
Deployment Tools	Jenkins
Database	MySQL, PostgreSQL
Operating Systems	Windows and Linux
Version Control/Repository	GitHub
Other Tools	Jira, Confluence, Remedy, SVN, MS Suite, DevOps, Designing, Programming
Operating Systems	Windows, Linux
Automation Testing Frameworks	ServerSpec
Configurations	YAML, JSON
Other Programming Languages	Java

PROFESSIONAL EXPERIENCE

Client: **Aspect Software**
Senior DevOps Development Engineer
Bangalore, India

Sept 2017 to Dec 2021

Responsibilities:

- Responsible for handling challenging initiatives spanning multiple technologies to deliver **quality code with zero defects** and leading crucial production deployments.
- Owned automation of various **AWS** services like **S3, Route53, EC2, IAM, VPC, Security Rules, RDS, Lambdas** etc.
- Developed and customized various new modules of application from scratch as per business requirement using **Ruby** and **Python**, this brought me expertise in **development and coding**.
- Experienced in planning the **cost-reduction** measures for **AWS services**. For example, involved in the **design process of in-place VPC upgrade** instead of Blue-Green upgrades which **reduced cost majorly**,

also worked on **auto-scaling**, automated the scripts using **Python and Ruby** to shut down systems which are not in use, the type of **EC2 instance** and **EBS services** etc.

- Initiated and drove adoption of a **ServerSpec** framework to evaluate the accuracy of the deployments across the Organization, resulting in reducing major issues before it occurred.
- Presented the most critical part of DevOps architecture about **Reverse proxy and Route 53** to the entire Aspect Employees over 1000.
- Setting up the Deployment tool **Jenkins's master slave configuration** from scratch and with new plugins as per requirements and handled multiple **Jenkins pipelines**.
- Automated the process using **Ruby** of uploading cookbooks on a regular basis from **Git** to production and development environments which helped to keep the most recent versions and ensure that no updates were missed, and this allowed me expertise in **Python, Ruby, Chef and Jenkins**. It was one of the critical tasks during production deployments. This led me to being proficient in maintaining cookbook versions and dependencies.
- Performed various **Blue-Green upgrades** and **in-place VPC upgrades** on live sites. Worked on automation of the in place VPC from Scratch.
- Gained expertise in Cloud provisioning tools such as **Terraform**.
- Worked, automated the creation, and scripted to access configuration files like **YAML** and **JSON** using **Ruby and Python**.
- Managed servers on the **Amazon Web Services (AWS)** platform instances using **Chef** configuration management, which fetched me deep knowledge in **Chef**.
- Worked on moving from scratch, the configuration tool and framework from **Chef** to **Ansible** which gave me hands on experience on **Ansible** from scratch.
- The services were moved to multiple cloud and automated the deployment of services on **Azure**. Built knowledge and experience on **Azure** services like **Azure Virtual Machines, Azure Storage like Blob, Table, File storages, Database services like PostgreSQL, MySQL** etc.

Environment: AWS, Azure (EC2, VPC, ELB, S3, EBS, RDS, Route53, ELB, Cloud Watch, code pipeline, code commit, code deploy, Cloud Formation, AWS Auto Scaling, Google cloud).

Python, GIT, Terraform, Jira, Unix/Linux, Shell scripting, Jenkins, Ansible, Tomcat, CI/CD, Jenkins, Ansible, Docker, Kubernetes, Apache, Maven.

Client: **Huawei Technologies**

Software Developer

Bangalore, India

Nov 2014 to August 2017

Responsibilities:

- Designed and expertise in **Software development** implemented multiple features within the application using **Core Java** and was in parallel the **DevOps** representative of the team for automating the process of **patching**, and **deploying**, also worked on **development of plugins for analyzing the code and help deliver quality code**.
- Worked on **Software Development** using **Java** and delivery in Agile process.
- Developed and maintained **RDBMS database** to store and extract data using complex logic.
- Deployed **Jenkins** for **continuous integration** for code quality inspection and worked on building local repository mirrors and source code management using **SVN**.
- Committed to the maintenance of customer sites and **upgrading live sites** with or without downtime.
- Worked on implementing **agile methodology** best practices, design patterns, and coding guidelines.

- **Leveraged code analyzers** to ensure code quality before every code check-in.
- Experienced in prioritization, time-management, and flexibility to work on front end **development** and **testing** as needed.
- Extensively worked on **Continuous Integration (CI)** and **Continuous Deployment (CD)** pipelines and workflow integration for automated builds
- Worked on automating the patching process for system upgrade using **XML** and **ANT**

Environment: Continuous Integration (CI), Core Java, SVN, XML, HTML, Jira, Unix/Linux, Shell scripting, Jenkins, Tomcat, CI/CD, Maven, QA

Wichita State University
Graduate Teaching Assistant
 Wichita, Kansas, United States

Spring 2023

Responsibilities:

- Responsible for **tutoring** and proctoring exams.
- Graded assignments and exams throughout the course for over 200 students in a timely manner and maintained **data analytics** by developing reports and insights.
- Organized sessions for students seeking assistance in the course modules.

Wichita State University
Graduate Assistant
 Wichita, Kansas, United States

Fall 2022

Responsibilities:

- Demonstrated excellent organizational skills by working on incoming applications and admissions of students to the course.
- Analyzed large datasets and developed reports to maintain the graph of various aspects of students.
- Gained expertise in Microsoft **Excel** and **Word** by managing a sizable database of past, present, and future MSBA branch students.

Education

Wichita State University, Master's in Computer Science,
 Kansas, United States (July 2023)

Sambhram Institute of Technology, Master's Degree in Computer Application,
 Bangalore, India (2014)

Acharya Institutes, Bachelor's in computer applications,
 Bangalore, India (2011)