Mounika Appalashetty

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**SUMMARY**

Seasoned DevOps Engineer and Cloud Specialist with over 10+ years of hands-on experience in configuration management, build/release engineering, Linux system administration, and cloud technologies. Proven expertise in implementing robust CI/CD pipelines, designing secure cloud architectures, and automating infrastructure with various tools. Adept at working with AWS, Azure, Google Cloud Platform, and Alibaba Cloud. Experienced in deploying and managing applications on Kubernetes, Docker, and various cloud services.

# TECHNICAL SKILLS

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| **CI/CD Tools** | **:** | Jenkins, GitLab CI/CD, CircleCI, Travis CI, TeamCity |
| **Version Control** | **:** | Git, GitHub, Bitbucket, GitLab, Azure |
| **Configuration Management** | **:** | Ansible, Puppet, Chef, SAlt Stack |
| **Containerization & Orchestration** | **:** | Docker, Kubernetes, Docker Compose, Helm |
| **Cloud Platforms** | **:** | AWS, Azure, Google Cloud Platform (GCP), Alibaba Cloud |
| **Infrastructure as Code (IaC)** | **:** | Terraform, CloudFormation |
| **Monitoring and Logging** | **:** | Prometheus, Grafana, ELK Stack (Elasticsearch, Logstash, Kibana), Splunk, New Relic, Nagios, Vqos |
| **Scripting Languages** | **:** | Bash, Python, Ruby, PowerShell |
| **Networking and Security** | **:** | Network protocols, Firewalls, Security best practices, SSL/TLS |
| **Database Management** | **:** | MySQL, PostgreSQL, NoSQL (MongoDB, Redis) |
| **Web Servers and Proxy Servers** | **:** | Nginx, Apache, HAProxy |
| **Automated Testing:** | **:** | Unit testing, Integration testing, Selenium |
| **Operating Systems** | **:** | Unix, Linux (Ubuntu, Debian, Red Hat, CentOS,), Solaris, Windows |

# PROFESSIONAL EXPERIENCE

**Client: :** Byte Dance

**Location :** Mountain View, California

**Role :** Site Reliability Engineering

**Duration :** Feb 2022 - Present

**Responsibilities** **:**

* Designed Grafana dashboards to enhance production infrastructure monitoring.
* Managed high-traffic production systems, ensuring scalability and availability.
* Coordinated with cross-functional teams to resolve incidents promptly.
* Automated capacity management for server clusters to meet dynamic demands.

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| **Client**  **Location**  **Designation**  **Duration**  **Responsibilities** | **:** Toyota (TMNA)  **:** Plano, TX  **:** AWS/DevSecOps Engineer  **:** June 2021 - Jan 2022  **:** |

* Led migration of on-prem mobile apps to GCP, adopting microservices architecture.
* Automated build/deployment using Ansible and optimized Jenkins configurations.
* Implemented Azure Logic Apps and Data Factory for automated processes.
* Developed cost-saving strategies, reducing cloud expenses by 30%.

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| **Client**  **Location**  **Designation**  **Duration**  **Responsibilities** | **:** Ascena Retail Group  **:** Pataskala, OH  **:** AWS/DevOps Engineer  **:** March 2020 – Jan 2021  **:** |

* Built robust CI/CD pipelines for production and non-production environments.
* Migrated legacy apps to GCP/Azure and deployed on AWS with EC2, VPC, and ELB.
* Introduced Prometheus, Fluentbit, and Grafana for comprehensive monitoring.
* Reduced AWS costs by 55% via autoscaling and EC2 optimizations.

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| **Client**  **Location**  **Designation**  **Duration**  **Responsibilities** | **:** USAA  **:** San Antonio, TX  **:** DevOps Engineer  **:** Nov 2015 - Feb 2020  **:** |

* Automated server provisioning with Ansible, reducing deployment time by 90%.
* Deployed Kubernetes clusters, leveraging Helm for configuration management.
* Established CI/CD pipelines integrating Jenkins, Maven, and Docker.
* Enhanced system monitoring using ELK, Nagios, and AWS CloudWatch.

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| **Client**  **Location**  **Designation**  **Duration**  **Responsibilities** | : Everest Global Solutions  : India  : Full Stack DevOps/Build & Release Engineer  : Jan 2014 - Aug 2015  : |

* Maintained and Administered GIT Source Code Tool. Migration of the Source Code from Apache Subversion (SVN) to GITHUB, and the migration from GITHUB to BitBucket. Maintained branching and build strategies utilizing GIT.
* Implemented a GIT mirror for SVN repository, which enables users to use both GIT and SVN.
* Installed and Configured Jenkins for Automating Deployment and automation solution. Used Jenkins for Automating Builds and deployed builds.
* Familiar and experienced with Agile Scrum development. Supporting Build, deployment, and release process. Requirement analysis for new enhancements of the build process.

**Projects**

* **Automated Cloud Migration (Byte Dance)**
* Migrated legacy application to AWS, reducing infrastructure costs by 30%.
* Implemented automated deployment pipelines using Jenkins, Terraform, and Ansible.
* Ensured high availability and fault tolerance through AWS services like Auto Scaling and ELB.
* **Kubernetes Orchestration (Toyota)**
* Led implementation of Kubernetes for container orchestration, managing microservices.
* Designed and deployed Helm charts for efficient deployment and versioning.
* Achieved horizontal scaling of applications, improving overall system responsiveness.
* **Security Automation (USAA)**
* Implemented security best practices using Ansible playbooks for configuration hardening.
* Automated security scanning processes, reducing vulnerabilities, and ensuring compliance.
* Conducted regular security audits and collaborated with the security team to address findings.