DURGABABU
DevOps Engineer

📞 **3015260772**
✉️ **durgababupadam0@gmail.com**
📍 **Virginia, US**

EDUCATION

Master of Science in Computer Science, University of central Missouri,Missouri, USA

Bachelor of Technology in Electronics and Communication Engineering, Satyabhama university - Chennai, India

SKILLS

CI/CD Tools: Jenkins, GitLab CI/CD, Circle CI, Travis CI

Containerization: Docker, Kubernetes, Helm, OpenShift

Infrastructure as Code (IaC): Terraform, Ansible, Puppet, Chef

Cloud Platforms: AWS (EC2, ELB, IAM, S3, Cloud Watch, Redshift, Autoscaling), Google Cloud Platform, Azure

Databases: MYSQL, Oracle PostgreSQL, MongoDB, Cassandra

Monitoring: Prometheus, Grafana, ELK stack (Elasticsearch, Logstash, Kibana), Splunk

Scripting: Shell**,** Bash, Python, Java, PowerShell, .NET, C#

Collaboration Tools: Slack, Microsoft Teams, Jira, Confluence

Operating Systems: Linux (Ubuntu, CentOS, Red Hat), Windows Server, Mac iOS

Version Control Tool: Git, GitHub, SVN, GitLab, Bitbucket

Other Technical Skills: Scripting and Programming, Containerization and Orchestration, Monitoring and Logging, Networking, Database Administration, Automation and Orchestration, Agile, Scrum

Technical Tools: VSphere Web Client, VSphere Client, VCenter Server, Kanban, Jira, Nagios, Apache, Vagrant

CERTIFICATION

- Microsoft Certified: Azure Developer Associate certification (AZ-204)
- AWS Certified DevOps Engineer - Professional

SUMMARY

- Experienced DevOps Engineer around 6 years of expertise in CI/CD, containerization, and cloud migration.
- Proficient in Jenkins, GitLab CI/CD, Docker, Kubernetes, and AWS services (EC2, IAM, S3).
- Led critical mobile app project, achieving 85% code coverage and 40% deployment time reduction.
- Implemented ELK stack and Prometheus for real-time monitoring, ensuring 99.9% uptime and proactive issue resolution.
- Skilled in Infrastructure as Code tools like Terraform and Ansible for scalable and automated infrastructure management.
- Adept at cross-functional collaboration using Slack, Microsoft Teams, and Jira for projectmanagement.
- Successfully led AWS-based cloud migration, transforming legacy apps to cloud-native microservices.
- Proficient in scripting with Bash, Python, Java, and PowerShell for automation and efficiency.
- Committed to delivering secure, scalable, and efficient solutions, enhancing business agility and customer satisfaction.
- Strong technical acumen, driving innovation and continuous improvement in DevOps practices.
- Utilized Helm charts and Kubernetes for efficient management and deployment of containerized applications, ensuring scalability, reliability, and ease of maintenance in a cloud-native environment.
- Proficient in troubleshooting performance and availability issues using monitoring and diagnostic tools, ensuring system reliability in DevOps.

EXPERIENCE

HCA Healthcare, **TX | Jun 2022 – Current | DevOps Engineer**

- Implementing Infrastructure as Code (IaC) principles using Terraform to automate the provisioning and scaling of cloud resources on AWS to accommodate increasing data volumes.
- Utilizing Docker and Kubernetes to containerize and orchestrate healthcare analytics applications, enabling efficient scaling and resource utilization.
- Establishing robust CI/CD pipelines with Jenkins, automating the build, test, and deployment processes, reducing deployment times by 40%.
- Ensuring strict HIPAA compliance by implementing security best practices, performing regular security assessments, and maintaining audit trails.
- Implementing, monitoring and alerting solutions using Prometheus, Data Dog and Grafana, reducing mean-time-to-detect and mean-time-to-resolve incidents by 30%.
- Working on database optimization, security, and migrations, including sensitive healthcare data, using MYSQL and Postgres in healthcare-specific database systems.
- Provisioning and managing AWS (EC2) instances, including in GovCloud to host various healthcare analytics applications,ensuring high availability and reliability.
- Using Agile methodologies, for iterative and adaptive development, enabling the team to respond to changes and healthcare industry needs promptly.
- Managing code repositories effectively using Git and SVN, ensuring that changes are tracked, documented, and coordinated seamlessly.
- Introducing the Kanban framework for visualizing workflow and managing tasks, enhancing transparency and efficiency in DevOps processes.

Tech Mahindra, **India | Jun 2018 – Dec 2021 | DevOps Engineer**

- Collaborated in configuring and maintaining cloud infrastructure on AWS, utilizing EC2 instances, Lambda functions, and S3 for storage.
- Developed and maintained automation scripts in Python and Bash, enhancing efficiency by streamlining routine tasks and processes for systems built with Ruby, Go, and Node.js.
- Orchestrated containers using Docker, improving scalability and fault tolerance.
- Leveraged Ansible for configuration management, automating routine tasks and achieving a 70% reduction in manual efforts.
- Utilized ELK Stack (Elasticsearch, Logstash, Kibana) for log analysis and Splunk for centralized monitoring, enabling proactive issue identification.
- Practiced IaC with tools like Terraform, automating resource provisioning and configuration.
- Leveraged Git and GitLab for version control, leading to a 70% decrease in code conflicts and faster code reviews.
- Integrated Kubernetes for microservices deployment, achieving 30% performance improvement and dynamic scaling.
- Worked with collaborative tools like Jira & Confluence for efficient tracking, project management.