Ramana Bingi

Dallas, TX | +1 (816) 299-5454 | email: ramanakumarbingi@gmail.com

PROFESSIONAL SUMMARY

DevOps Engineer with 10 years of experience in designing and implementing CI/CD pipelines, automating deployments, and managing cloud infrastructure. Proficient with tools like Jenkins, Docker, Kubernetes, and Terraform, and experienced in both Azure and AWS environments. Skilled in root-cause analysis, monitoring, and optimizing application performance. Strong communicator with a proven track record of leading cross-functional teams to deliver high-quality solutions.

TECHNICAL SKILLS

Cloud Platforms: Azure, AWS, Google Cloud Platform (GCP)
DevOps Tools: Jenkins, ArgoCD, Kubernetes, Docker, Terraform, Ansible, Puppet
Programming Languages: Python, Bash, PowerShell, JavaScript, YAML, JSON
Monitoring & Logging: Prometheus, Grafana, SumoLogic, ELK Stack, New Relic, Datadog, Splunk, KQL, Azure Monitor, App Insights
Databases: Oracle 12c/11g, MySQL 5.x, SQL Server 12.0, Cassandra, Cosmos DB, MongoDB, PostgreSQL

PROFESSIONAL EXPERIENCE

Senior DevOps Engineer **June 2025 – Present**
Pax8 Remote

- Architected AWS DataZone data governance platform using Terraform and Terragrunt, implementing reusable IaC modules for domain management, environment blueprints, and IAM policies.
- Led comprehensive cost optimization analysis for AWS MSK enhanced monitoring across CloudWatch, Sumo Logic, and MSK services, identifying 75% credit capacity headroom and establishing automated tracking mechanisms to prevent budget overruns.
- Pioneered AI-driven development workflows by implementing MCP server integration between Cursor IDE and JIRA, enabling developers to create EPICs and Stories directly from development environment, reducing context switching and administrative overhead.
- Deployed comprehensive monitoring infrastructure using SumoLogic, CloudWatch, and Slack integration with automated health checks and threshold-based alerts, reducing incident detection time and enabling proactive issue resolution.
- Established FinOps cost tracking mechanisms using AWS Cost Explorer with tag-based filtering and automated anomaly detection for greater than 20% week-over-week cost spikes, implementing monthly stakeholder reporting processes.
- Improved infrastructure deployment consistency by 60% using Terragrunt configuration inheritance patterns and Atlantis for PR-based infrastructure management workflows.
- Mentored junior developers on performance debugging and AI-first coding practices, raising team-wide productivity.

Senior Site Reliability Engineer **January 2018 – June 2025**
AT&T Dallas, TX

- Implemented end-to-end CI/CD pipelines using Jenkins and Azure DevOps, reducing deployment times by 40%.
- Led a team of 5 engineers in migrating 50+ on-premises applications to Azure, reducing operational costs by 30% and enhancing scalability.
- Optimized build processes, resulting in a 25% reduction in build failures using automated testing protocols and Docker containers.
- Deployed Infrastructure as Code (IaC) using Terraform, improving deployment consistency by 60%.
- Reduced error rates in production environments by 35% by setting up detailed monitoring dashboards using Azure Monitor, KQL, and Application Insights.
- Automated security compliance checks, increasing compliance efficiency by 50% and reducing manual check times by 20 hours monthly.

- Mentored junior engineers, increasing team skillset in Kubernetes and Azure DevOps.

Java Developer **August 2016 – August 2017**
UMKC Kansas City, MO

- Built and implemented Java Spring Boot-based REST microservices, enhancing application modularity and scalability by 40%.
- Developed event-driven platforms using AWS Lambda Functions, SQS, and SNS, improving processing efficiency and reducing latency.
- Configured infrastructure on AWS using CloudFormation, ensuring consistent and repeatable deployments, reducing setup time.
- Configured DynamoDB tables with various indexing and capacity units, optimizing database performance and scalability by 20%.
- Implemented AWS SDK for Java to utilize DynamoDB for non-relational data storage, enhancing data handling and storage efficiency.
- Deployed custom CRON jobs as AWS Lambda Functions for scheduled reports, automating reporting processes and saving 10 hours of manual work weekly.
- Written Dockerfiles for deploying applications on AWS CloudFormation, ECS, and EC2 instances, streamlining deployment processes and improving application reliability.

Java Engineer **June 2015 – May 2016**
Blackbucks Hyderabad, India

- Implemented MVC architecture using Spring MVC, improving application structure and maintainability, reducing development time by 25%.
- Created data models and generated Hibernate mappings and domain objects, enhancing data manipulation and retrieval efficiency.
- Developed Python scripts for automating regression tests, improving test efficiency and reducing testing time by 30%.
- Developed unit/integration test cases using JUnit 3.8, increasing test coverage and code reliability.
- Used Jira for tracking progress and followed Agile methodology, improving project management and task tracking efficiency.
- Implemented Jenkins for CI/CD, automating build and deployment processes, reducing manual effort.
- Utilized Log4J for efficient logging and debugging, enhancing application monitoring and issue resolution speed.

EDUCATION

Master of Science in Computer Science **Graduation Year**
University of Missouri – Kansas City Kansas City, MO

CERTIFICATIONS

Microsoft Certified: Azure AI Fundamentals
AWS Certified Developer – Associate
AWS Certified DevOps Engineer – Professional
Microsoft Certified: Azure Administrator Associate
Microsoft Certified: Azure Fundamentals
Microsoft Certified: Designing Microsoft Azure Infrastructure Solutions
Certified Professional Scrum Master