

ROHAN ASHOK BIRADAR

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EDUCATION

Northeastern University, Boston, MA | MS in Information Systems Aug 2023 - May 2025

Relevant courses: Web Design, Cloud Computing, Object Oriented Design, Data Structures, Agile Software Development, UI/UX, Software Quality Control and Management

Savitribai Phule Pune University, Pune, India | BS in Mechanical Engineering Aug 2023 - May 2025

Relevant courses: Fundamentals of Programming, Numeric Methods and Optimization, Operating Systems

PROFESSIONAL EXPERIENCE

Software Engineer | Cognizant, India Dec 2022 – Aug 2023

- Conducted thorough Root Cause Analysis (RCA) for complex Linux system issues
- Deployed and maintained applications across Prod and lower environments using Jenkins pipelines.
- Optimized release and deployment with Jenkins pipelines, automating Docker image builds, image scanning for vulnerabilities using Trivy & Kubernetes deployments for REST APIs using Terraform, reducing deployment time
- Migrated Kubernetes cluster from version 1.23 to 1.24, addressing deprecated APIs ensuring compatibility for applications

Jr. Software Engineer | Cognizant, India Dec 2021 – Dec 2022

- Built dashboards with Prometheus and Grafana, generating API usage reports for visibility, reducing 25% operational costs
- Enhanced app uptime by configuring Kubernetes Autoscaler for dynamic scaling and implementing probes for self-healing.
- Executed releases by applying change management principles to ensure seamless transitions and post-release stability.
- Optimized Docker image builds using multi-stage builds, achieving 30% efficiency improvement.

Software Development Engineer - Intern | Cognizant, India July 2021 – Sep 2021

- Analyzed system logs and performance metrics, boosting performance and efficiency by 11% through automated message clearance in IBM MQ Linux servers and optimization of test and development environments
- Utilized ITSM principles for incident resolution and alert monitoring, collaborating with teams to minimize downtime

SKILLS

Languages	Python, JavaScript, SQL, PostgreSQL, Java, TypeScript, HTML, CSS, Kotlin, Golang, Bash
Frameworks	Node.JS, Express.JS, React.JS, Spring Boot
Tools	Git, GitHub, Jenkins, Postman, Docker Hub, Linux, Shell Script, Argo CD, ELK, App Dynamics
Cloud	AWS (EC2, S3, Lambda, CloudFormation, CloudWatch, ECS/EKS. IAM, VPC), Google Cloud Computing
DevOps	CI/CD, IaC, Terraform, Packer, Elastic Search, Helm, Datadog, Prometheus, Grafana, Kubernetes, Docker
Certification	AWS Solutions Architect Associate

PROJECTS

WebApplication (GCP, Google SQL database, Continuous Integration /Continuous Deployment pipelines, RESTful API)

- Designed a cloud-native web application on Google Cloud using Node.js, with cloud infrastructure automation via Terraform and Packer reducing setup time by 60%
- Deployed production-ready infrastructure using Terraform on GCP, including managed instance groups, global load balancers, Cloud SQL instance, achieving 99.99% uptime with seamless horizontal scaling during traffic spikes
- Implemented GitHub Actions for CI/CD to build Google Compute Engine machine images using Packer and automate web app deployment.
- Implemented token-based authentication and SSL encryption, enhancing security, and built auto-scaling at 70% CPU utilization and distributed system solution using Cloud Functions and microservices

Netflix Clone (AWS, Jenkins, Docker, Kubernetes, Prometheus, Grafana, React.js, SonarQube, EKS)

- Implemented a comprehensive CI/CD pipeline using Jenkins, integrating SonarQube for code quality checks and OWASP Dependency-Check for vulnerability scanning, enhancing overall application security
- Containerized apps using Docker and implemented security scans with Trivy for container images
- Established robust monitoring and alerting systems using Prometheus and Grafana, providing real-time insights into application performance and security metrics