

VRUSHALI PHALTANKAR

Boston, MA | (857) 313-5272 | phaltankar.v@northeastern.edu | [LinkedIn](#) | [GitHub](#)

EDUCATION

Master of Science in Information Systems (GPA 3.81), Northeastern University, Boston, MA **Expected May 2024**
Bachelor of Engineering in Computer Science, Rajiv Gandhi Technological University, India **May 2017**

TECHNICAL SKILLS

Languages and Databases: Java, Python, Shell, JavaScript, C++, GraphQL, MySQL, PostgreSQL, MongoDB

Frameworks: Spring Boot, MVC, Hibernate, NodeJS, ReactJS, HTML5, CSS3, REST

Software/Tools: Docker, Kubernetes, GitHub, Jenkins, Ansible, Grafana, Terraform, Kafka, Packer, Redis, RabbitMQ

Technologies: CI/CD, DevOps, Observability, Linux, Microservices, Monitoring, Networking, System Design, OOD

Cloud: AWS EC2, IAM, SNS, SQS, S3, RDS, CloudWatch, CloudFormation, AWS SDK, Redshift, Lambda

Certifications: AWS Certified SysOps Administrator Associate, Microsoft Azure AZ-900

EXPERIENCE

SS&C Intralinks | Site Reliability Engineer Co-op | Waltham, MA **Jul 2023 – Jan 2024**

- Implemented **CI/CD pipelines** through **Jenkins** and Bitbucket, leveraging Bash to automate microservices and pod management within the **Kubernetes** cluster resulted in 30% reduction in deployment times
- Orchestrated configuration changes on SS&C Infrastructure using **Ansible**, resulting in a 40% reduction in deployment time and ensuring consistency across 5+ servers
- Utilized AWS CloudWatch, **Lambda**, **Splunk** and Python logging to set up alarms and notifications, scale instances up and down, ensuring proactive identification and resolution of performance issues

Northeastern University | Research Assistant-Research Computing | Boston, MA **Jan 2023 – Jul 2023**

- Orchestrated the management of Northeastern University's **Linux** HPC cluster, leveraging over 25,000 cores and 200 NVIDIA GPUs, and optimized performance using Slurm, GPFS, Isilon, and Infiniband
- Orchestrated **Docker** containers for VSCode, PyTorch applications, optimizing development environments

Amdocs Development Centre | Technology Engineer | Pune, India **Nov 2019 – Aug 2022**

- Established Microservice CI/CD and Release Process using Java, **Spring Boot**, seamlessly collaborating with **AWS EKS**, Helm deployments, Jenkins, and Kafka, resulting in a 40% reduction in deployment time
- Actuated **5+ microservices** supporting telecom E-Commerce using Spring Batch, Spring Boot, Kafka, and Postgres, achieving zero-downtime deployment and a 15% server cost reduction
- Conducted query analysis, fine-tuning complex **PostgreSQL queries**, and optimizing data loading processes, resulting in a 40% improvement in overall system performance
- Designed robust **security** enhancements, including **JWT** authentication and authorization, with Spring Boot, resulting in reduction of security issues and ensuring full compliance with application security standards
- Deployed high-traffic Spring Boot application on AWS EKS, orchestrated **CloudFormation** templates for infrastructure deployment and conducted blue-green deployment to run two identical environments concurrently
- Implemented **auto-scaling and load balancing** strategies resulting in a 50% reduction in system downtime during peak loads, ensuring consistent performance and scalability for varying workloads within the AWS infrastructure

Accenture Solutions | Application Development Analyst | Mumbai, India **Jun 2017 – Oct 2019**

- Created and maintained 20+ Docker images and containers using **Docker Compose** and Kubernetes to manage multi-container applications and deploying Docker containers to cloud platforms
- Constructed monitoring dashboards using **Grafana and Prometheus**, enabling real-time monitoring of the application, integrated Grafana with influx DB to fetch metrics of Linux servers thereby reducing server failures by 40%
- Designed and implemented a multi-stage CI/CD pipeline using Jenkins and git for a microservices-based application, reducing deployment time by 50%

PROJECTS

Notification Service using AWS SNS : Created a notification service in Node.js, leveraging AWS SNS to send multi-channel notifications

Serverless Task Management Service : Built serverless task management app with AWS Lambda, DynamoDB, Node.js; enabled task creation, listing, and updates via REST APIs using Express.js and AWS SDK

Generic Search Microservice : Developed a Spring Boot microservice seamlessly integrated with Kafka for asynchronous communication, and leveraged Elasticsearch for full-text search, indexing Kafka-consumed messages to Elasticsearch to ensure rapid, and extensible search capabilities

User Management Application on AWS : Created a user management app with Spring MVC, Hibernate, AWS SDK, Terraform. Integrated GitHub Actions for streamlined updates and deployment

Gym Management System : Designed and implemented a Gym Management System, utilizing SQL for database creation, and generating dashboards with visualizations using Tableau and Grafana to extract insights from the data