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: Java, C++, JavaScript, Python, Shell, GraphQL
Frameworks: Spring Boot, Hibernate, NodeJS, ReactJS, HTML5, CSS3, REST
Databases: MySQL, PostgreSQL, MongoDB, SQL Server
Software/Tools: Docker, Kubernetes, GitHub, Jenkins, Ansible, Grafana, Terraform, Kafka, Redis, Splunk, Linux, ELK Stack
Cloud: AWS (EC2, IAM, SNS, SQS, S3, RDS, CloudWatch, CloudFormation, SDK, Redshift, Lambda), Azure AKS

WORK EXPERIENCE

Site Reliability Engineer Co-op | SS&C Intralinks, Waltham, MA **Jul 2023 – Jan 2024**
- Implemented **CI/CD pipelines** through Jenkins and Bitbucket, using Bash to automate microservices and pod management within Kubernetes cluster resulted in 30% reduction in deployment times
- Orchestrated the deployment and administration of 10+ Linux (RHEL) servers, maintained patching and fine-tuning of SS&C Infrastructure using **Ansible** and **Terraform** to achieve a notable 70% decrease in manual upgrades
- Utilized Splunk monitoring, AWS CloudWatch, **Lambda, Splunk** and Python logging to set up alarms and notifications, scale instances up and down, maintaining robust monitoring and alerting systems

Research Assistant-Research Computing | Northeastern University, 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

DevOps Engineer | Amdocs Development Centre Pune, India **Nov 2019 – Aug 2022**
- Established Microservice CI/CD creating 5+ microservices using **Kubernetes, Spring Boot**, collaborating with AWS EKS, Helm, Kafka, deploying infrastructure with **CloudFormation**, resulting in a **40% reduction** in deployment time
- Executed successful **migration**, transferring on-premises workloads to AWS and Azure cloud to achieve **40% reduction** in operational costs and **80% improvement** in scalability and flexibility
- Implemented Blue-Green deployment on AWS EKS and Azure AKS, deploying different microservice versions with **Kafka, ElasticSearch, and PostgreSQL**, enhancing application availability and reduced deployment risk for rollback
- Implemented **Kubernetes** configurations to optimize resource utilization, manage pods, services, and deployments, automating application deployments using Helm charts, ensuring high availability of application

Application Development Analyst | Accenture Solutions Mumbai, India **Jun 2017 – Oct 2019**
- Enhanced Jenkins automation with **AWS pipelines**, ensuring code quality and **security** checks, continuous testing and version control for secure development incorporating **DevSecOps**
- 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 reducing server failures by 40%

PROJECTS

Kubernetes Webapp | **Docker, Kubernetes, NodeJS** **Feb 2023**
- Developed a web application leveraging Docker and Kubernetes orchestration, ensuring seamless deployment, scaling, and management of the application
- Implemented GitHub Actions to automate the build, and deployment of the application

Generic Search Microservice | **Spring Boot, Kafka, ElasticSearch** **Dec 2023**
- Developed a Spring Boot microservice integrated seamlessly with Kafka for asynchronous communication
- Leveraged ElasticSearch to enable full-text search, indexing Kafka messages for rapid and extensible search

Product Management App on AWS | **Java, Spring Boot, MySQL, AWS, Terraform, GitHub actions** **Apr 2023**
- Created a user management application with 10+ REST APIs using Spring MVC and Hibernate, enabling user authentication, while also developing Terraform templates for AWS infrastructure, reducing manual tasks by 90%
- Integrated GitHub Actions to streamline application updates and deployment pipeline