

VRUSHALI PHALTANKAR

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EXPERIENCE

Site Reliability Engineer Co-op, SS&C Intralinks, 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 and Python logging to set up alarms and notifications, scale instances up and down, ensuring proactive identification and resolution of performance issues

Research Assistant-Research Computing, Northeastern University, Boston, MA

Jan 2023 – Jul 2023

- Orchestrated the management of Northeastern University's HPC cluster, leveraging over 25,000 cores and 200 NVIDIA GPUs, and optimized performance using Slurm, GPFS, Isilon, and Infiniband
- Spearheaded 5+ software installations and Linux environment setups on the HPC cluster

DevOps Engineer, Amdocs Development Centre, Pune, India

Nov 2019 – Aug 2022

- Built organization wide Microservice CI/CD and Release Process, collaborating seamlessly with EKS, Helm deployments, Jenkins, AWS CloudFormation templates, and Groovy Libraries minimizing deployment time by 40%
- Actuated 10+ 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

Application Development Analyst, Accenture Solutions, 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%

TECHNICAL SKILLS

Languages and Databases: Java, Python, Shell, JavaScript, C++, 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: Google Cloud, AWS EC2, IAM, SNS, SQS, S3, RDS, CloudWatch, CloudFormation, ECS, Redshift, Lambda

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

PROJECTS

[Generic Search Microservice](#) | Spring boot, Kafka, ElasticSearch, Conductor

Dec 2023

- Developed a Spring Boot microservice integrated with Kafka for asynchronous communication and ElasticSearch for efficient full-text search
- Indexed Kafka-consumed messages into ElasticSearch for rapid search, ensuring scalability and extensibility with Kafka and Spring Boot integration

[User Management Application on AWS](#) | Java, Spring Boot, MySQL, AWS, Terraform

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, reducing time to update by 25%

[eLearning Application](#) | NodeJS, ReactJS, MongoDB, Express

Dec 2022

- Developed a web application using the MERN stack, leveraging MongoDB for data storage and Express.js to create 10+ RESTful APIs
- Utilized React.js to build a dynamic and responsive front-end, enhancing the user experience of the web application