

Vrushali Phaltankar

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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, IntelliJ, VsCode, CI/CD, Redis, Terraform, Kafka, RabbitMQ, Linux OS

Technologies: DevOps, Observability, Networking, System Design

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 **Jenkins** pipelines, leveraging **Shell** to automate microservices and pod management within the **Kubernetes** cluster resulted in 30% reduction in deployment times
- Updated **Spring Boot** configuration files to use xMatters for automated incident management
- 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

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

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

- Established CI/CD for **5+ microservices** using **Kubernetes**, **Spring Boot**, seamlessly collaborating with AWS EKS, Helm, Kafka, deploying AWS infrastructure with CloudFormation, resulting in a **40% reduction** in deployment time
- Implemented **REST and SOAP Web Services** using agile methodology for Amdocs middleware product, interfacing with multiple external APIs, improving response time by 80%
- Conducted query analysis, fine-tuning complex **DB2** and **PostgreSQL queries**, and optimizing data loading processes, resulting in a 40% improvement in overall system performance
- 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
- Implemented **JWT** authentication and authorization with Spring Boot, fortifying security and achieving compliance
- Constructed monitoring dashboards using **Grafana and Prometheus**, enabling real-time monitoring of the application, integrated Grafana with influxDB to fetch metrics of Linux servers reducing server failures by 40%

PROJECTS

[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

[Serverless Task Management Service](#) | NodeJS, AWS SDK, Lambda, DynamoDB **Dec 2023**

- Designed a Serverless Task Management Service using **AWS Lambda**, **DynamoDB**, and Node.js
- Implemented REST APIs with Express.js and AWS SDK, enabling seamless task creation, listing, and updates in a serverless architecture, enhancing overall task management capabilities

[User Management Application 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