Vrushali Phaltankar

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EDUCATION

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

TECHNICAL SKILLS

Programming Languages	Java, Python, Shell, GoLang, HTML, CSS, JavaScript, TypeScript, GraphQL
Web Frameworks and Libraries	Spring Boot, React.js, REST, Angular, Node.js, Express.js, Bootstrap, Hibernate
Databases	MySQL, MongoDB, PostgreSQL, DynamoDB, Redis
Software/Tools	Docker, Kubernetes, Git, Jenkins, Datadog, Ansible, Grafana, Kafka, Splunk, Linux
Cloud	AWS, Azure, GCP, CI/CD, Git, GitHub Actions, Packer, Terraform
Certifications	AWS Certified Solutions Architect Associate, Microsoft AZ-900 Azure Fundamentals

WORK EXPERIENCE

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

- 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
- Built **CI/CD pipelines** with Jenkins, using Bash to automate resources within **Kubernetes** cluster
- Developed Python scripts for automated fault detection, performance, and service uptime **monitoring**
- Utilized **Splunk** monitoring, AWS CloudWatch, **Lambda** and Python logging to set up alarms and notifications, scale instances up and down, maintaining robust monitoring and alerting systems

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

- Established Restful APIs for 5+ microservices using **Kubernetes, Spring Boot**, collaborating with **Openshift**, AWS, Kafka, deploying infrastructure with **Terraform**, resulting in a **40% reduction** in deployment time
- Utilized AWS services including EC2, S3, and **CodeDeploy** to architect and manage infrastructure, leading to improved scalability and reduced downtime by 15%
- Provisioned Cloud Infrastructure, optimizing existing resources Org-wide. resulting in 30% cost savings
- Built Automated Pipelines using Terraform & Ansible, cut deployment time by 70% and increased efficiency by 50%
- Implemented Blue-Green deployment on AWS ECS, AWS EKS and Azure AKS, deploying different microservice versions with **Kafka, ElasticSearch, and PostgreSQL**, reducing 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

Software Engineer | 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**
- Containerized microservices using Docker and Kubernetes and managed them with the least downtime
- Resolved technical issues by troubleshooting, bug fixing, feature flags tweaking, and patching across the stack
- Constructed monitoring dashboards using **Grafana and Prometheus**, enabling real-time monitoring of applications

PROJECTS

ProductFolio Application | *Spring Boot, Java, MySQL, Hibernate, Packer, Terraform, AWS, GitHub Actions*

- Crafted Product Manager App with **Spring boot** and **Hibernate** for **MySQL**, enhancing product management
- Executed **CI/CD** with **GitHub Actions**, integrating **JUnit** for testing and **Packer** for AMI creation, reducing deployment times by 60% and bugs by 25%, streamlining development and deployment
- Augmented **AWS** infrastructure (**EC2, Route 53**) with **load balancing**, **auto-scaling**, CloudWatch, **SSL certificates**, and **S3** for GitHub downloads via **Terraform**, doubling user load capacity by 80%

Kubernetes Webapp | *Docker, Kubernetes, NodeJS, GitHub Workflows*

- Developed a web application leveraging Docker and **Kubernetes orchestration**, ensuring seamless deployment
- Configured Kubernetes cluster, optimizing resource utilization and enabling efficient **container orchestration** to meet dynamic application demands
- Implemented **GitHub Actions** to automate the build, and deployment of the application

Generic Search Microservice | *Spring Boot, Kafka, ElasticSearch*

- Developed a **Spring Boot microservice** integrated with Kafka, **reduced message processing** time by 40% and ensuring seamless asynchronous communication
- Utilized ElasticSearch for **full-text search**, resulting in a 50% increase in search query speed and a 30% improvement in indexing efficiency, enhancing system performance and user experience