OBJECTIVE

- To leverage my 4+ years of industry experience as a Cloud Engineer and a Masters degree in Software Engineering to design and develop innovative cloud solutions for challenging problems with real-world impact.

EDUCATION

San Jose State University   Aug 2022 - May 2024
Master of Science in Software Engineering

Savitribai Phule Pune University   Jun 2015 - Sep 2019
Bachelor of Technology in Computer Science and Engineering

TECHNICAL SKILLS

- **Programming Languages**: Python, MySQL, Shell Scripting
- **Cloud Technologies**: AWS, GCP, Terraform, Docker, Kubernetes
- **Tools**: GitLab, Jenkins, ArgoCD, Prometheus, Grafana, CloudWatch

CERTIFICATIONS

- **AWS Solutions Architect Professional, AWS Machine Learning Specialty, AWS Solutions Architect Associate**
- **AWS Developer Associate, Azure Administrator Associate, Microsoft Certified Trainer**
- **Certified Kubernetes Application Developer, Certified Jenkins Engineer, Google Cloud Digital Leader**

PROFESSIONAL EXPERIENCE

- **Cloud Specialist, ReachMobi, Bonita Springs, FL**   **Sept 2024 - Current**
  - Migrated Lambda functions from .NET 6 to .NET 8, significantly improving performance and security.
  - Built a fully automated CI/CD pipeline for .NET apps on EC2, drastically reducing deployment time and errors.
  - Architected AWS Site-to-Site VPN with Ubiquiti, eliminating jump server dependency and cutting infrastructure costs.
  - Optimized Redshift clusters, enhancing query performance and reducing costs.

- **DevSecOps Intern, Tecfinics, Redlands, CA**   **Nov 2023 - July 2024**
  - Deployed a microservices architecture on Google Kubernetes Engine (GKE) using Terraform Cloud
  - Integrated the EFK stack (Elasticsearch, Fluentd, Kibana) for comprehensive logging, cutting troubleshooting time by 40%
  - Maintained 99.9% uptime on the Kubernetes cluster using Prometheus and Grafana, improving service reliability
  - Established secure CI/CD pipelines with GitLab, Trivy, and ArgoCD, reducing deployment failures by 25%
  - Configured Keycloak for OAuth-based authentication, reducing unauthorized access incidents significantly
  - Managed DNS and TLS certificates through Cloudflare, ensuring 100% secure microservices connections

- **Senior Cloud Engineer, Sapphire Infotech Ventures Pvt Ltd, Mumbai, IN**   **Apr 2021 - Jul 2022**
  - Executed 10 AWS Well-Architected reviews for a healthcare client, optimizing infrastructure design, reducing latency and enhancing system efficiency, resulting in significant acceleration in patient data processing.
  - Led the migration of SAP systems from Azure to AWS for a $100M multinational, driving $75K in annual cost savings, improving scalability by 40%, and achieving a 99.9% system uptime post-migration.
  - Deployed SAP S/4 HANA on AWS in under 3 hours, reducing downtime by 70%, saving $50K in operational costs, and improving data processing speeds by 35% for a top financial services firm.
  - Developed a Disaster Recovery solution using CloudEndure, safeguarding 50TB of critical data for a global logistics company, achieving an RTO of 1 hour and an RPO of 15 minutes.
  - Managed cloud infrastructure of 250+ servers, improving application performance and cutting operational costs by 25%.
  - Directed cross-functional teams to implement AWS cloud security best practices, achieving a 30% reduction in security incidents, reducing unauthorized access attempts, and strengthening the overall security posture.

- **Associate Cloud Engineer, Sapphire Infotech Ventures Pvt Ltd, Mumbai, IN**   **Jan 2020 - Apr 2021**
  - Executed cost optimization strategies, achieving 30% cost reductions through sizing, savings plans, and reserved instances.

- Executed SAP migration from Azure to AWS using CloudEndure, ensuring data integrity and operational continuity.
- Efficiently managed CloudEndure setup and conducted rigorous testing for a seamless transition, reducing migration time by 30%.

- **Deploying OpenShift Cluster on AWS** [Link]
  - Deployed OpenShift on AWS, overcoming Windows Home limitations and securing the environment with a custom domain.
  - Implemented serverless monitoring for OpenShift on AWS, leveraging CloudWatch for real-time performance insights, reducing monitoring costs by 25%.

- **Performing a Migration with AWS Application Migration Service (AWS MGN)** [Link]
  - Seamlessly migrated critical applications to AWS's Singapore region using AWS MGN, ensuring minimal downtime and optimal performance.
  - Utilized AWS Migration Hub to coordinate the process, saving 25% in resources and reducing migration duration by 40%.

- **AWS Launch Wizard for SAP** [Link]
  - Deployed a SAP HANA database in an HA cluster using AWS Launch Wizard, reducing deployment time by 50%.
  - Ensured resource optimization with accurate cost estimation, saving 20% on projected costs.

- **SAP Netweaver Monitoring using Amazon CloudWatch** [Link]
  - Implemented a serverless solution for monitoring SAP ABAP-based environments using Amazon CloudWatch, enabling real-time performance insights without managing servers.
  - Deployed custom metrics and alarms for SAP applications, enhancing monitoring capabilities and reducing operational costs.

- **SAP HANA Monitoring using Amazon CloudWatch** [Link]
  - Implemented a serverless solution to monitor SAP HANA environments using Amazon CloudWatch, allowing real-time performance insights without managing servers.
  - Deployed custom metrics and alarms for SAP HANA, enhancing monitoring capabilities and reducing operational costs.

- **Voice Controlled Personal Assistant Bot with Smart Storage** [Link]
  - Engineered a multifunctional file storage system, accessible by various client devices, powered by a voice-controlled intelligent personal assistant bot.
  - Developed a smart memory assistant device with advanced processing capabilities, improving user interactions by 35%, enabling seamless streaming, and optimizing personal cloud storage management.

LEADERSHIP AND RESPONSIBILITIES

- Worked as Chief Coordinator at National Service Scheme in AISSMS College of Engineering and coached 80 children from underserved communities in Pune's under-resourced high schools.

- As an AWS Community Builder, organized and delivered a talk at AWS Community Day(Bay Area 2024), providing insights on Karpenter on AWS EKS, enhancing the community's understanding of automated node provisioning and scaling in Kubernetes.

- Delivered a comprehensive presentation on a testing project using Selenium and AWS architecture at San Jose State University (SJSU), sharing insights on integrating automated testing with cloud infrastructure to optimize development workflows.

- Led a team of 10 engineers to develop and deploy a cloud-native mobile application for a freelancing client, implementing real-time data synchronization and enhancing user experience through robust and scalable architecture.

- Volunteered at RESQ Charitable Trust, where I deployed a user-friendly website for free, enabling the organization to efficiently manage animal welfare activities, streamline volunteer coordination, and improve community engagement.