

Mansi Zope

609-582-0750 | Redmond, WA | zmansi29@gmail.com | [linkedin.com/in/mansi-zope/](https://www.linkedin.com/in/mansi-zope/) | mansi-zope-portfolio.vercel.app

TECHNICAL SKILLS

Languages & Frameworks: Java, Python, SQL, TypeScript, JavaScript, Spring Boot, JUnit, Node.js, Angular

APIs & Security: REST APIs, SOAP, SAML, OIDC, OAuth, RBAC

Cloud & DevOps: AWS (EKS, S3, Lambda, Lex, ECS), Kubernetes, Docker, Jenkins, Helm, Git, Azure, HashiCorp Vault

Database: MySQL, PostgreSQL, MongoDB, Oracle Application Server, PL/SQL, Redis

WORK EXPERIENCE

Software Engineer

May 2023 - Present

Fidelity Investments

- Architected and executed the migration of a critical production application from AWS ECS to EKS, leveraging Kubernetes to operate services at scale and achieving a 40% performance boost and improved fault tolerance.
- Enhanced system reliability and incident prevention by integrating Splunk logs with Datadog, creating observability dashboards that reduced Mean Time To Detection (MTTD) by 40%.
- Built and deployed an SSO troubleshooting chatbot using AWS Lex and Lambda, automating issue resolution and improving query response time by 35%.
- Enforced security best practices by implementing Azure AD authentication with an OIDC workflow, meeting 100% of corporate security standards and eliminating unauthorized access vectors.
- Implemented Role-Based Access Control (RBAC) in SSO management application using Spring Boot and Angular, streamlining user role management and access control, resulting in a 25% reduction in security related incidents.
- Developed and implemented robust audit logging for REST APIs in Spring Boot, enhancing traceability and accountability for all service interactions.

Software Engineer Intern

Jul. 2022 - Dec. 2022

Fidelity Investments

- Implemented 15+ REST APIs in Spring Boot to automate customer transaction processing, directly contributing to a 20% reduction in manual operational efforts.
- Optimized API response times by 25% by implementing a Redis caching layer, significantly reducing load on the primary relational database.
- Automated Kubernetes deployments using a Jenkins CI/CD pipeline, integrating Docker for containerization to cut deployment time by 50% and improve system reliability.
- Developed Helm charts for packaging and versioning Kubernetes applications, facilitating easy deployment, rollback, and scalability, resulting in a 30% increase in development velocity.
- Integrated HashiCorp Vault for secrets management, ensuring secure storage and dynamic retrieval of sensitive credentials, reducing security vulnerabilities by 40%.

Software Engineer

Feb. 2018 – Aug. 2021

KPIT Technologies Ltd.

- Developed a data analysis solution using Python and PostgreSQL to process and analyze Git commits, providing actionable insights into commit patterns.
- Developed a full-stack web application using React, PostgreSQL, NodeJS, and Python to track and gamify employee productivity, which increased engagement, provided individual insights, resulting in a 40% improvement in team productivity.
- Developed 5+ Eclipse-RCP plugins using Java and SWT for an integrated subsystem, automating test case creation, which reduced authoring time from 3 to 12 test cases per person per day.

EDUCATION

Northeastern University

Boston, US

Master of Science, Information Systems (GPA - 3.8)

Sep. 2021 – May 2023

Coursework: Data Science Engineering Methods, Web Development Tools and Methods, Design Patterns, Advanced Big Data Applications and Indexing Techniques, Agile Software Development

Cummins College of Engineering for Women

Pune, IND

Bachelor of Engineering, Computer Engineering

May 2013 – Jun. 2017