

# Sandip Kalsait

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## WORK EXPERIENCE

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Tata Consultancy Services (TCS)

2024—Present

Senior System Engineer

- Promoted to Senior System Engineer for delivering high-quality system architecture and infrastructure optimization, demonstrating exceptional technical expertise
- Designed and deployed scalable systems leveraging Java Spring Boot and cloud technologies, including AWS and Azure, to drive business growth
- Migrated version control systems from Bitbucket to Azure DevOps, resulting in enhanced team collaboration and improved development efficiency
- Streamlined CI/CD pipelines, achieving significant improvements in deployment efficiency and minimizing downtime
- Optimized system performance through proactive monitoring and troubleshooting using Grafana and Eureka, ensuring high system availability.

Tata Consultancy Services (TCS)

2021—2024

Assistant System Engineer

- Developed and maintained full-stack applications using Java, Spring Boot, and React/Angular, ensuring seamless user experiences
- Designed and implemented scalable database solutions using Oracle SQL, meeting application needs and optimizing performance
- Deployed containerized applications with Docker and orchestrated them with Kubernetes, ensuring efficient and scalable deployments
- Collaborated with cross-functional teams to identify and resolve system issues, delivering efficient solutions and improving overall system reliability
- Utilized Git, Bitbucket, and Azure DevOps for source control, streamlining development workflows and enhancing project management.

## PROJECTS

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### Cloud Infrastructure Automation

- Designed and deployed infrastructure as code (IaC) on Azure, ensuring scalable and efficient resource allocation
- Automated CI/CD pipelines to deploy containerized applications on Kubernetes, streamlining development and delivery
- Implemented monitoring tools like Grafana and Eureka, achieving 99.9% uptime and ensuring high system availability
- Optimized automation processes, reducing deployment time by 40% and improving overall efficiency.

### High Availability Web Application

- Designed and deployed a highly available web application using Docker containers on Azure, ensuring scalability and reliability
- Developed and implemented automated Bash scripts for environment provisioning, streamlining deployment processes
- Configured Nginx reverse proxy to enhance load balancing, resulting in improved system performance and scalability
- Optimized system performance, achieving a 40% reduction in latency through targeted improvements.

### CI/CD Pipeline for Microservices

- Implemented CI/CD pipelines to automate microservices deployment, enhancing efficiency and reliability

- Integrated Helm charts to streamline Kubernetes deployment configurations
- Migrated source control repositories from Bitbucket to Azure DevOps, resulting in a 30% workflow efficiency improvement
- Optimized system monitoring and alerting mechanisms, ensuring seamless troubleshooting and minimizing downtime.

### Full-Stack Application Development

- Developed a full-stack application using Java Spring Boot and React, integrating RESTful APIs for seamless frontend-backend communication
- Optimized database schemas using PostgreSQL and MongoDB, ensuring high performance
- Delivered a robust and scalable solution, achieving a 70% improvement in system response time.

## EDUCATION

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**PE's Modern College of Art, Science and Commerce Pune**

**2016—2021**

*B.Sc. Computer Science, Computer Science, GPA: 6.88*

## SKILLS

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Containerization: Docker, Kubernetes, Databases: Postgresql, Mysql, Oracle, Mongodb, Scripting & Automation: Python, Bash, Powershell, Monitoring Tools: Grafana, Eureka, Operating Systems: Linux, Windows, Cloud Platforms: Aws, Azure, Gcp, Source Control: Git, Github, Bitbucket, Azure Devops, Devops Tools: Jenkins, Ansible, Terraform, System Engineering: Architecture Design, Infrastructure Management, Ci/cd Pipelines, Programming Languages: Java (spring Boot), Javascript (react, Angular, Node.js, Next.js)

## CERTIFICATIONS

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- Frontend Developer (React) Certificate
- Software Engineer Certificate