

# SOHAIL SHAIK

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## EXPERIENCE

### OmniqAI - *Software Development Engineer (SDE)* January 2025 – Present

- Led migration from on-premises infrastructure to a Kubernetes-based cloud environment—containerizing workloads, provisioning VPC-secured clusters, and automating Helm-based deployments.
- Designed backend systems combining retrieval-augmented generation (RAG), memory layers, and knowledge graphs for high-fidelity document understanding and decision support.
- Built autonomous AI agents for technical interviews—enabling resume parsing, behavioral scoring, and code analysis with contextual memory and multi-step reasoning.
- Architected semantic knowledge pipelines and scalable vector search infrastructure for real-time information retrieval and consistent agent behavior.
- Strengthened runtime and infrastructure security across workloads, integrating anomaly detection, VM monitoring, and secure service layers.
- Drove DevOps automation with GitOps workflows, fast rollback mechanisms, and observability enhancements—cutting release cycles by 40% and improving reliability.
- Developed internal operational tools and dashboards powered by modular APIs and infrastructure-as-code, ensuring repeatable deployments.
- Optimized container orchestration and CI/CD pipelines, reducing cloud costs by 20% while improving deployment resilience.

### OmniqAI - *SDE Intern* August 2024 – December 2024

- Developed and maintained backend services using Python building APIs for projects.
- Implemented monitoring and alerting pipelines using Grafana, Prometheus, and Alertmanager, reducing incident response times by 30%.

## SKILLS

**Programming Languages:** TypeScript, C++, Python

**Frontend Development:** ReactJS, JavaScript

**Backend Development:** Node.js, Prisma, PostgreSQL, MongoDB, Redis, RabbitMQ, MinIO

**Tools:** Postman, Git, MCP, LLM

**Core Competencies:** Problem-Solving, Agile Collaboration

## PROJECTS

### • Docker Deployment Automation with MCP (Live)

- Developed a web-based interface using React to interact with the Docker SDK, enabling users to manage containers, images, volumes, and networks.
- Integrated backend logic handling user requests, Docker API calls, and business workflows for comprehensive container management.
- Implemented features for container deployment, scaling, monitoring, and logging, reducing manual intervention by 40%.
- Utilized Docker SDK for automation, cutting container management time by 50%.
- A DevOps tool leveraging LLMs and Model Context Protocol to automate container operations with real-time analytics.

- Eliminated the need to memorize Docker commands and CLI monitoring through an intuitive UI.

**Technologies:** TypeScript, React, MCP, LLM, Dockerode, Node

## EDUCATION

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- **Bachelor of Technology**

2019 - 2022

- Brindavan Institute Of Technology And Science

## ACHIEVEMENTS

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- SAP Hackfest 2024: Top 4 out of 30+ teams (SAP India)
- Flipkart Robotics Challenge: Finalist for advanced vision-based quality inspection system