

SAURABH NANDEDKAR

saurnanandedkar25@gmail.com | saurnan.com | +91-9892356631 | GitHub | LinkedIn

PROFESSIONAL SUMMARY

Results-driven Cloud Architect with over 5 years of experience in cloud infrastructure, DevOps, and security engineering. Proven track record of revamping outdated systems, driving DevOps transformations, and implementing robust security solutions. Strong leadership skills in mentoring junior engineers and spearheading complex cloud initiatives. Seeking to leverage technical expertise and leadership to execute meaningful initiatives in a dynamic organization.

WORK EXPERIENCE

Turing, Cloud Architect, Remote (Apr. 2023 - Current)

- Spearheaded the overhaul of legacy systems, achieving a 30% increase in performance metrics while aligning with evolving business needs, leading to a 20% reduction in operational costs.
- Led the migration to a Kubernetes-based infrastructure, enhancing scalability by 40%, resilience by 35%, and optimizing resource usage, resulting in a 25% cost efficiency improvement.
- Implemented advanced Cloud Security Posture Management (CSPM) solutions, bolstering security and compliance across multiple cloud environments, reducing security incidents by 50%.

Prismberry Technologies, Software and DevOps Engineer, Delhi (Nov. 2021 - Apr. 2023)

- Drove DevOps transformation for a healthcare marketplace using Terraform and Kubernetes, reducing repetitive infrastructure operations by 50% through automation, which accelerated deployment frequency by 60%.
- Delivered backend services for a GIS-based maritime tracking system, leveraging AIS data analytics to enhance real-time accuracy by 45% and improving system response time by 30%.
- Mentored and developed 5 junior engineers, fostering a learning-focused culture within the team, which improved team productivity by 20%.

Safe Security, DevSecOps Engineer security analyst, Mumbai (Jan. 2020 - Nov. 2021)

- Engineered automated security workflows for critical CRQ platforms, enabling continuous assessment and reducing vulnerabilities by 40%, leading to a 30% reduction in security breaches.
- Conducted detailed source code analysis across various programming languages, significantly strengthening application defenses and reducing code vulnerabilities by 50%.
- Constructed an automated web application scanning system, enhancing security effectiveness by 35% and limiting manual intervention by 60%.
- Performed in-depth security evaluations and implemented mitigation strategies, reinforcing the overall security stance and reducing critical vulnerabilities by 25%.
- Promoted security best practices, enhancing the security culture across teams and reducing incidents by 20%.

Freelance Engineer, Delhi (Jan. 2019 - Current)

- Led development of an AI-driven RAG chatbot for trading platforms using FastAPI and OpenAI TPUs, enabling real-time market insights and automated responses to regulatory changes.
- Designed a tax regulation RAG chatbot utilizing Milvus for vector data management, automating responses and improving compliance efficiency.
- Developed custom VSCode SaaS environment with LLM support for SystemRDL and hardware description languages, enabling collaborative development and AI-assisted code generation.
- Created on-device local LLM educational system with React Native and RxDB, delivering personalized content without internet dependency.
- Engineered high-availability email infrastructure and internal search engine for air-gapped environments, achieving 99.9% uptime.
- Managed Kubernetes deployments for Elasticsearch clusters and implemented automated site indexing, reducing manual effort by 40%.

SKILLS

- **Programming Languages:** Python, JavaScript, Google Apps Script
- **Frontend:** React, React Native
- **Backend Frameworks:** FastAPI, Flask, Django, Tornado
- **DevOps Tools:** Docker, Jenkins, GitHub Actions, Ansible, Terraform, Kubernetes
- **Cloud Services:** AWS, GCP, Azure, Cloudflare

EDUCATION

National Institute of Technology, Kurukshetra (July 2017 - May 2021)

B. Tech in Computer Engineering

CERTIFICATIONS

Google Cloud Professional Cloud Architect Certification (GCP) (Apr. 2023)

PROJECTS

Confidential Trading Platform (Apr. 2023 - Current)

- Led the design of a high-throughput trading platform across AWS, GCP, and Azure, handling over 4,000 transactions per second, resulting in a 20% increase in transaction efficiency.
- Utilized Terraform for automated multi-cloud provisioning, resulting in a 30% reduction in manual errors and deployment time.
- Maintained cloud operations through automated oversight and scaling, achieving 99.9% uptime and reducing operational overhead by 25%.

Flipkart Health Plus (Jan. 2022 - Apr. 2023)

- Spearheaded cloud infrastructure initiatives using Kubernetes and Terraform on GCP and AWS, enhancing system efficiency by 25% and reducing deployment time by 40%.
- Migrated AWS resources to GCP, resulting in 20% cost savings and reducing deployment time by 40%.
- Designed automation scripts to streamline deployment, decreasing manual efforts by 50% and reducing error rates by 30%.

Password Manager (Jan. 2019 - Apr. 2023)

- Engineered a multi-tenant password management system with Flask and WebSockets, ensuring isolated data access and improving security by 30%.
- Designed a secure backend and a cross-browser extension, enabling seamless real-time password management, which reduced response times by 20%.
- Designed WebSocket-based instant password access, improving user experience across platforms and increasing usage by 25%.

AI Trading RAG Chatbot (Apr. 2023 - Current)

- Architected an AI-driven RAG chatbot using FastAPI and React, integrating OpenAI TPUs for real-time market data processing.
- Implemented PostgreSQL for robust data management, handling complex datasets from financial markets and news feeds.
- Enhanced administrative efficiency through automated responses to market changes and regulatory updates.

Tax Helper RAG System (Jan. 2023 - Mar. 2023)

- Designed and implemented a RAG chatbot using Milvus for vector data management, streamlining tax regulation queries.
- Built custom database integration for real-time tax data retrieval, improving compliance and user interaction.
- Automated response system reduced query resolution time by 60% while maintaining accuracy.

VSCode SaaS Development Environment (Oct. 2022 - Dec. 2022)

- Engineered a cloud-based VSCode environment with real-time code collaboration capabilities and LLM integration.
- Implemented instructor-based fine-tuning to enhance model accuracy for specific manufacturing contexts.
- Achieved 40% faster response to design changes while maintaining high accuracy in predictions.

Educational Local LLM System (Jul. 2022 - Sep. 2022)

- Built on-device LLM-based RAG system using React Native and RxDB for offline educational content delivery.
- Implemented efficient data synchronization and caching strategies for optimal performance.
- Enhanced student engagement through personalized learning paths and instant feedback mechanisms.