

GAURAV SAKARIYA

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PROFESSIONAL SUMMARY

Dynamic Software & DevOps Engineer with ≈ 3.5 years of experience architecting highly available AWS cloud infrastructure and backend systems for CCaaS platforms. Expertise in Infrastructure as Code (Terraform, AWS CDK), Kubernetes, and GenAI integrations. Proven track record of optimizing cloud costs by 20% and accelerating release cycles through automated CI/CD pipelines and advanced observability (Dynatrace, Serverless RUM). Adept at building enterprise-scale, event-driven AI solutions that enhance operational efficiency.

TECHNICAL SKILLS

Cloud & DevOps: AWS (EC2, EKS, ECS, Lambda, Bedrock, RDS), Terraform, AWS CDK, Kubernetes, Docker, CI/CD, Dynatrace, Datadog, Serverless

Programming: Python, Java, Node.js, C/C++, JavaScript, Next.js

Databases & AI: PostgreSQL, LLMs, RAG, Generative AI, Claude, AWS Bedrock AgentCore

PROFESSIONAL EXPERIENCE

SuccessKPI Inc : Software & DevOps Engineer

Jan 2023 – Present

- **DevOps & Cloud Engineering:** Designed and managed scalable, secure AWS infrastructure using Terraform and Infrastructure as Code (IaC). Implemented production-grade architectures across EC2, EKS, Lambda, and networking services, ensuring high availability, reliability, and cost optimization for cloud-native applications.
- **CI/CD, Kubernetes & Automation:** Built and optimized end-to-end CI/CD pipelines using AWS CodeBuild, CodeDeploy, and Git-based workflows to enable faster, reliable releases. Deployed and operated containerized workloads on Amazon EKS, automated monitoring, logging, and operational tasks, improving system stability, deployment speed, and reducing operational overhead.
- **Platform Reliability & Cost Optimization:** Improved system performance and reliability by implementing monitoring, alerting, and incident automation. Achieved a 3X reduction in pipeline failures and optimized AWS resource utilization to reduce operational costs by 20% through right-sizing, serverless adoption, and architecture improvements.
- **Gen-AI Feature Development for Client Automation:**
 - Architected and developed the end-to-end design of a **multi-tenant agentic AI platform** on **AWS Bedrock AgentCore + Strands Agents**, where agents are assembled into executable workflow graphs, auto-generated from intent or built via drag and drop, with natural language tool generation over any external API/DB/KB; enabling agents to mine conversations at scale, surface critical issues, and trigger automated actions, turning contact-centre analytics from reporting into real-time action.
 - Spearheaded the development **Deep Sense** Call AI feature by designing models with targeted questions to analyze call recordings and embedding them in the Playbook for automated triggers based on call conditions. Leveraged Claude for AI-driven insights and optimized deployment strategy with AWS services like SQS, Firehose, Lambda, and CDK, enhancing call analysis workflows for more efficient and responsive customer interaction handling.
- **SuccessKPI BI Platform:**
 - Spearheaded the Architecture, Development and deployed enterprise-scale Business Intelligence infrastructure on AWS using Terraform (IaC), provisioning EKS, Aurora RDS, OpenSearch, and EFS across commercial and GovCloud regions with multi-region support.
 - Orchestrated containerized workloads on Amazon EKS, integrating AWS Load Balancer Controller, Istio service mesh, CloudWatch, and Fluent Bit for secure traffic management, observability, and centralized logging.
 - Built MicroStrategy CMC environment from scratch, implementing fully automated provisioning and deployment pipelines using AWS CodeBuild, IAM role assumption, and cross-account access—minimizing manual intervention and standardizing releases across environments.

EDUCATION

B.Tech, Computer Science and Engineering

Graduated May 2023

Institute of Technology Nirma University, Gujarat, India

Relevant coursework: Data Structures and Algorithms, Advanced Java, Big data Analytics, Linear Algebra

ACADEMIC PROJECTS

AI Interview Mocker

- Developed a web application using Next.js that functions as an AI-powered interview mocker, integrating the Gemini AI API for real-time feedback and answer evaluation. Users can create personalized interview sessions, record their responses, and receive comprehensive feedback, including ratings and suggestions for improvements based on their performance. Leveraged PostgreSQL for data management and incorporated speech and text processing with a React package to enhance the user experience.
- Implemented secure user authentication using Clerk, enabling seamless login and logout functionality. Integrated Stripe for payment processing, allowing users to access premium learning features. The application was deployed in Vercel, ensuring optimal performance and scalability. The platform empowers users to prepare effectively for interviews by providing actionable insights and a supportive learning environment.
- Deployed App Link: [**/ai-interview-mocker**](#)

Hostel Portal

- Developed a web application using JSP (Java Server Pages) to streamline the student accommodation process, allowing students to apply for rooms, select meal plans, and print receipts. Integrated MySQL with JDBC for seamless database management, enabling real-time visibility of room availability by category. Built an admin panel for efficient room allocation, tracking, and management.
- Utilized Java, HTML, CSS, and JSP to create an intuitive, user-friendly frontend.

ACHIEVEMENTS

- Strategic Resource Star Award 2025 (Employee of The Year)
- Q4'25 Successer of the Quarter (2025)
- AWS Certified Developer - Associate (2023)
- AWS Certified Cloud Practitioner (2023)
- AWS Certified AI Practitioner (2024)