

MANAS SAMEER NANIVADEKAR

Mumbai, India

Phone: +91 8104030064 | **Email:** manasnanivadekar@gmail.com

LinkedIn: linkedin.com/in/manas-nanivadekar

GitHub: <https://github.com/Manas-Nanivadekar>

SUMMARY

Results-driven **Cloud Engineer** with 4+ years of experience designing, deploying, and optimizing cloud-native applications on **AWS** and **GCP**. Skilled in **serverless** architectures, **DevOps** best practices, and **Generative AI** integration to rapidly deliver scalable, secure, and innovative solutions. Adept at bridging the gap between technical and business requirements, collaborating with cross-functional teams, and providing data-driven insights to enhance operational efficiency and reduce costs.

EDUCATION

IIT Madras: 2022-2026

BS Degree in Data Science

Mumbai University: 2022-2026

BE Computer Engineering

CORE COMPETENCIES

- **Cloud Platforms:** AWS (EC2, S3, RDS, VPC, Lambda, IAM, CloudWatch, Amazon Connect, etc.), GCP
- **Infrastructure as Code (IaC):** Terraform, AWS CloudFormation
- **Generative AI & Prompt Engineering:** LLM integration, AI-driven content generation
- **Programming Languages:** Go, Rust, Python, JavaScript
- **Shell Scripting:** Bash, PowerShell
- **CI/CD:** AWS CodePipeline, AWS CodeBuild, Jenkins
- **Database Management:** AWS RDS, DynamoDB
- **Monitoring & Logging:** ELK Stack, Grafana, Prometheus
- **Presentation & Communication Skills**

CERTIFICATIONS

Amazon Web Services (AWS)

- Amazon Authorised Instructor - AAI
- AWS Certified Security - Speciality
- AWS Certified Solutions Architect – Associate
- AWS Certified Developer – Associate
- AWS Certified SysOps Administrator – Associate
- AWS Certified Data Engineer – Associate

Other Certifications

- FullStack Development using React – Hong Kong University
 - Blockchain – INSEAD
 - Project Management – University of California Irvine
 - Data to Insights – Google Cloud
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PROJECTS

AI-Driven Course Generation Platform (Hackathon Winning Project)

- **Objective:** Developed a platform enabling companies to **auto-generate training courses** for internal teams (Marketing, Support, Compliance) within **seconds**, drastically reducing manual content creation time from weeks/months.
- **Key Achievements:**
 - Implemented an **LLM-based** system to generate customized content for diverse audiences, ensuring tailored and relevant curricula.
 - **Reduced content creation time by up to 90%**, accelerating product launches and internal readiness.
 - Architected scalable backend leveraging **AWS Lambda** and **Amazon S3** for real-time content delivery, ensuring high availability and cost efficiency.
 - Collaborated with cross-functional stakeholders to validate content accuracy and compliance, improving adoption across multiple departments.

Automated Multi-Cloud Deployment(Hackathon Winning Project)

- Created a project that helps in deploying **multi-tier, multi-cloud** applications using Terraform and AWS Lambda, ensuring seamless integration and **30% faster** release cycles.

- Abstracted deployment complexities, allowing developers to **focus on core business logic** and boosting productivity.
- Simplified cost analysis for cloud services, leading to **more informed financial decisions** and cost savings.

Multi-Cloud Observability Tool

- Designed a **serverless** solution to enhance monitoring and visibility across multi-cloud infrastructure.
- Spearheaded migration from server-based to serverless architecture, resulting in a **65% reduction** in infrastructure costs and a **30% increase** in availability.

Cross-Border Payment(PoC Project for BIS and NPCI)

- Created a **blockchain-based** solution with Rust on AWS EC2 for secure cross-border transactions, reducing payment processing time to **60 seconds**.
- Integrated advanced cryptographic algorithms to ensure data integrity and compliance with regulatory standards.
- Achieved **40% improvement** in resource utilization through performance tuning.

Other Projects

- Invoice separator using AWS Textract
- Attendance system using AWS Rekognition
- Deployment of Python Application using AWS ECS
- Realtime gaming leaderboard using AWS Kinesis
- Hosted custom ML models using Amazon SageMaker

EXPERIENCE

Brainfloss, London, UK (January 2024 – Present)

Cloud Developer

- Architected a **multi-tier serverless** application serving thousands of monthly users, optimizing for high availability and scalability.
- Led a backend team to successfully implement **serverless architecture**, reducing operational overhead.

IS Manager I designed and implemented robust **CI/CD** and **data pipelines**, streamlining development workflows.
Achieved f r o

Cloud Developer

- Built a comprehensive AWS-based system (EC2, Kinesis, API Gateway) to enhance private equity operations and data analytics.
- Deployed infrastructure using **AWS CloudFormation**, ensuring consistency and **ease of management**.
- Improved system latency by **36%** via strategic migration from on-prem to AWS.
- Optimized data storage practices, resulting in a **15% decrease** in storage costs.

Zubi Infotech (September 2020 – October 2020)

FullStack Developer

- Revamped UI with **ReactJS**, modernizing the design and boosting user engagement.
- Enhanced UX through user-feedback loops and **user-centric** design enhancements.
- Collaborated with cross-functional teams for seamless frontend-backend integration, speeding up feature delivery.

Blockology (May 2020 – July 2020)

Blockchain Developer

- Developed a **Substrate-based** blockchain architecture, focusing on scalability and security.
- Initiated a peer-to-peer **freelancing marketplace** platform, emphasizing decentralization.
- Optimized transaction speed from 2–5 minutes to ~1 minute by using **Substrate** and **Rust**.

Enroot-NGO (July 2020 – June 2024)

Software Developer

- Enhanced digital presence for local climate activists and one of India's largest LGBTQ communities, amplifying outreach.
 - Developed a website and mobile app for a U.S.-based NGO, leveraging **Google Ads** for targeted marketing and increased user acquisition.
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TECH COMMUNITY ACTIVITIES

Google DSC

- Founded Google DSC at A. P. Shah Institute of Technology
- Formed a community of 1000+ students in my campus
- Lead my club to be in top 10 in Google Cloud Study Jam

- Lead Organiser of GDSC TechFest 2024.

Postman Student Leader

- Highest Achiever in APAC for year 2024
 - Organiser of API Day Mumbai 2023
 - Took workshops in 11+ colleges throughout Mumbai Region
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SPEAKER ENGAGEMENTS

- **Enterprise API Management with Postman**

Trained **1,000+** participants throughout Mumbai region on advanced API design, testing, and documentation best practices.

- **Workshop on Infrastructure as Code using Terraform**

Conducted a session for **300+** attendees, providing hands-on demos and best practices for automating infrastructure.

- **Serverless Applications with Node.js**

Delivered multiple workshops on serverless architectures using Node.js, covering best practices and real-world implementations.

- **Data Migration to AWS**

Guided organizations in **migrating on-prem data** to AWS, sharing comprehensive strategies and leveraging AWS-native tools for smooth transitions.