Yogesh Abnave

Generative AI Engineer

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Professional Summary

To obtain a position as a Senior Generative AI Engineer with **7.3** years of experience in the IT industry, specializing in working with AWS environments.

Core Competencies

- **Gen AI:** RAG │ LLMs │ AI Agent │ Transformers │ Hugging Face │ Diffusion Models │ Guardrails │ Ollama │ Python
- **Cloud:** SageMaker AI │ Bedrock │ Lambda │ Terraform │ Docker │ ECS/Fargate │ EC2 │ VPC │ IAM/KMS │ EKS
- **Deployment**: Solo-deployed Amazon Nova on AWS with guardrails for a secure, scalable architecture; built scalable data pipelines from ingestion to visualization in Amazon QuickSight.

Roles & Responsibilities

CloudAge Global IT Services LLC │ Sr. Generative AI Engineer   Sept 2024 - Until dates

Project: AI AppBuilder Platform │ Client: NexaCorp
- The AI AppBuilder Platform empowered enterprise teams like HR, Finance, and Operations to create and deploy custom Generative AI applications without developer dependency. Built on AWS using Bedrock, SageMaker, Lambda, and CloudFormation, it enabled secure, automated, and scalable AI app creation — reducing development time from weeks to hours.

Project: AI-Powered Assignment Automation │ Client: Duolingo
- Architected and deployed a containerized AI application on ECS Fargate, implementing a secure and scalable infrastructure comprising ALB, VPC Endpoints, and DynamoDB. Automated CI/CD pipelines with S3, ECR, and CloudFormation, while integrating Amazon Nova Pro and Nova Canvas for intelligent assignment generation and interactive content delivery.

Project: RAG Text Generation using Ollama │ Client: Defontana
- Designed and deployed "TitanRAG," a production-grade, high-performance Retrieval-Augmented Generation (RAG) platform for DeltaMind Analytics using Ollama to orchestrate multiple LLMs, including Llama 3-8B, Mistral, and Phi-3, on AWS GPU-based EC2 instances. Built a secure VPC architecture with DynamoDB and OpenWebUI, enabling private, low-latency, multi-model inference with enterprise-level scalability, security, and cost optimization

OTS Solutions Pvt. Ltd. │ Software Engineer   Jul 2022 - Aug 2024

Project: VisionFlow │ Client: Jefferies
- Built a production-grade generative AI system for Synapse Vision Labs (USA) using a secure AWS architecture integrating EC2 GPU instances, SageMaker, Lambda, and S3 for dynamic Stable Diffusion model loading, enabling scalable inference, version control, and cost-efficient, low-latency AI image generation.

Project: CloudShift: AWS to OCI Migration │ Client: Astra
- This project involves migrating AWS workloads—including EC2, S3, RDS, and networking setups—to Oracle Cloud Infrastructure (OCI) with minimal downtime. The migration ensures optimized performance, secure configuration, and automated deployment using modern cloud tools

TechnoGrowth Software Solutions Pvt. Ltd. │ Software Developer   Feb 2021 - Jul 2022

- Automated CI/CD automation streams using Jenkins and Docker, integrated with AWS S3 and EC2, enabling faster and more reliable deployments.
- Implemented secure role-based access control with AWS IAM and Secrets Manager, improving system reliability by 15% and ensuring compliance.
- Optimized content delivery and scalability using AWS CloudFront, integrated with FastAPI and MongoDB for backend services.
- Developed and deployed an AI-powered image recognition system on AWS (EC2, S3) leveraging Angular and Node.js, enabling real-time image processing at scale.

AllOps Technologies Pvt. Ltd. │ Software Developer   Aug 2018 - Jan 2021

- Engineered and maintained React applications using modern features like Hooks and Context API, improving development speed and ensuring scalable, maintainable front-end code.
- Created role-based access controls and optimized database solutions, contributing to improved system reliability.
- Built a food delivery platform on the MERN stack with REST APIs and MySQL, delivering a dynamic user experience and strengthening skills in application development.

Education

B.E. in Computer Engineering, 2018

Certifications

AWS Certified Solutions Architect - Professional
Oracle Cloud Infrastructure 2025 Certified Generative AI Professional
Azure (AZ-900)