SYEEDA ZOONI



Cloud & DevOps Engineer | AI Engineering & Agentic Workflows | Product-Focused Builder

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PROFESSIONAL SUMMARY

AWS Certified Cloud Practitioner and MCA candidate (2025–2027) with strong hands-on foundation in cloud infrastructure, Infrastructure as Code (Terraform, Ansible), container orchestration (Docker, Kubernetes), and automated CI/CD pipelines (Jenkins, GitHub Actions). Experienced in building and deploying resilient AWS and GCP workloads with real-time observability (Prometheus, Grafana) and zero-downtime deployment patterns. Expanding technical depth in AI Engineering—developing multi-agent systems, LLM-powered workflows, and RAG concepts using Python, OpenAI API, and Microsoft AutoGen—while applying user-centric product thinking, structured problem-solving, and clear cross-functional communication to deliver reliable, high-impact technical solutions.

TECHNICAL & CORE COMPETENCIES

Cloud Computing (AWS & GCP): Amazon EC2, Amazon S3, IAM, VPC, Amazon ECR, DynamoDB, ELB/ALB, Security Groups, AWS Networking, CloudFormation, CloudWatch, GCP (Cloud Run, Cloud Build), Cloud Infrastructure

DevOps, IaC & CI/CD: Linux (Ubuntu, Amazon Linux), Git & GitHub, Docker, Kubernetes (kubeadm, Canary & Blue-Green Deployments), Jenkins (Multi-stage Pipelines, Groovy), Terraform (IaC, S3 Remote State, DynamoDB Locking), Ansible, GitHub Actions, SonarQube, Nexus Repository

Observability & Scripting: Prometheus, Grafana, ELK Stack, Python, Bash Scripting, YAML, Networking (TCP/IP, DNS, HTTP/HTTPS), Infrastructure Automation, Monitoring, Incident Troubleshooting

AI Engineering (Hands-On & Developing): Hands-On: Generative AI, Large Language Models (LLMs), AI Agents, Agentic AI, Multi-Agent Systems, Prompt Engineering, LLM Integration, AI Workflows, AI Automation, OpenAI API (GPT-4o), Microsoft AutoGen | Developing: Retrieval-Augmented Generation (RAG), Vector Databases, Embeddings

Product & Analytical Competencies: Product Thinking, Problem-Solving, Analytical Thinking, Requirements Understanding, User-Centric Thinking, Product Development Lifecycle, Feature Prioritization, Data-Driven Decision-Making, Technical & Stakeholder Communication, Cross-Functional Collaboration

KEY PROJECTS

PulseGuard: High-Availability Canary & Blue-Green Deployment Platform

Cloud, DevOps & Observability Project

AWS (EC2, VPC, ALB, ECR, Security Groups) | Terraform | Ansible | Kubernetes (kubeadm) | Docker | Jenkins | Prometheus | Grafana

- Provisioned multi-node AWS infrastructure (VPC, subnets, security groups, load balancing, and EC2 instances) using Terraform and configured cluster nodes via Ansible playbooks for repeatable, version-controlled deployments.
- Bootstrapped a Kubernetes cluster using kubeadm and built end-to-end Jenkins CI/CD pipelines to containerize applications with Docker, push images to Amazon ECR, and automate rolling releases.
- Implemented canary and blue-green deployment workflows with real-time Prometheus metrics and Grafana dashboards to monitor service health, validate release stability, and execute rapid rollbacks on anomaly detection.

TJA: Automated DevOps Infrastructure & CI/CD Pipeline

Cloud Infrastructure & Automation Project

AWS (EC2, VPC, S3, DynamoDB, IAM, Security Groups) | Terraform | Jenkins | Docker | Ansible | Git

- Engineered isolated AWS network and compute infrastructure using modular Terraform configurations backed by Amazon S3 remote state and DynamoDB state locking to prevent concurrent deployment conflicts.
- Automated server configuration and Docker runtime setup across EC2 instances with Ansible while enforcing least-privilege IAM roles and strict Security Group rules.
- Built automated Jenkins CI/CD pipelines to streamline code validation, Docker image builds, and zero-manual-intervention application deployments, supported by clear operational documentation.

Multi-Agent Stock Analysis Application

AI Engineering & Cloud Deployment Project

Python | OpenAI API (GPT-4o) | Microsoft AutoGen | Docker | Google Cloud Platform (Cloud Run, Cloud Build)

- Architected a collaborative multi-agent AI application using Python, OpenAI GPT-4o, and Microsoft AutoGen where specialized agents coordinate to fetch live financial market data, retrieve relevant news, and synthesize structured equity insights.
- Designed structured agent prompts, role boundaries, and automated data-aggregation workflows to improve analytical consistency and reduce manual research latency.
- Containerized the Python application with Docker and deployed it as a scalable serverless service on GCP Cloud Run with automated CI/CD builds via Cloud Build.

EvoOps: Self-Evolving AI-Assisted DevOps System (In Progress)

AI + DevOps Engineering (Active Development)

Python | LLM Workflows | Multi-Agent Architecture | CI/CD & Log Analysis | Terraform | AWS

- Completed Core Prototype: Built initial Python-based log and operational error parsing modules that ingest CI/CD pipeline failure logs and telemetry signals to perform structured incident reasoning and preliminary root-cause analysis.
- In Active Development: Designing an experience and solution memory store alongside automated remediation playbook generation, pre-execution validation/safety checks, and mandatory human-in-the-loop approval gates before executing infrastructure or pipeline changes.

EDUCATION

Master of Computer Applications (MCA) — Currently Pursuing

2025 – 2027 (Expected)

Amity University Online | Specialization in Cloud & Software Systems

Bachelor of Computer Applications (BCA)

2022 – 2025

Chaudhary Charan Singh University | Aggregate Score: 80%

Core Coursework: Computer Networks (86%), Data Structures (86%), Operating Systems, Database Management Systems (RDBMS), Statistics & Numerical Methods (88%).

CERTIFICATIONS

- AWS Certified Cloud Practitioner — Amazon Web Services (August 2025)
- Jenkins DevOps Advanced Course — Professional Certification
- Introduction to AI & Machine Learning — Professional Certification

PROFESSIONAL COMPETENCIES

- **Product & Analytical Mindset:** Translating ambiguous technical and user requirements into structured, prioritized engineering workflows and measurable outcomes.
- **Technical & Stakeholder Communication:** Authoring clear architecture diagrams, runbooks, and status updates that bridge engineering teams and non-technical stakeholders.
- **Languages:** English (Advanced), Hindi (Advanced), Urdu (Advanced)