LAKSHIT JADON
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SUMMARY

Innovative and results-driven IT professional with **4.5 years** of progressive experience designing and developing **GenAI**, **cloud-native**, and **hybrid applications**. Proven expertise architecting **enterprise-grade GenAI/LLM systems** across **AWS**, **GCP**, and **Azure** ecosystems. Adept in orchestrating **intelligent agent workflows** using **OpenAI APIs (GPT-4/3.5)**, **Azure OpenAI**, **Form Recognizer**, and **Cognitive Search**. Delivered **scalable, secure AI solutions** using **FastAPI**, **Docker**, **Kubernetes**, and **CI/CD pipelines** (**Jenkins**, **GitHub Actions**, **AWS CDK**). Deep understanding of **prompt design**, **RAG pipelines**, **LLM orchestration**, and **cost-efficient AI system design**. Recognized for **quick prototyping**, **system integration**, and delivering **robust, production-grade AI products**.

AWARDS

- **Best Intern Award** – BU Awards 2021, Calsoft Pvt. Ltd.
- **Rising Star Award** – BU Awards 2022,2023 Calsoft Pvt. Ltd.

SKILL SET

- **Programming Languages:** Python
- **Cluster Management:** Kubernetes
- **Databases:** MySQL, Postgres, MongoDB, DynamoDB
- **CI/CD Tools:** Jenkins, GitHub Actions
- **Cloud Technologies:** AWS (Lambda, Bedrock, AppSync, SSM, DynamoDB, S3, CDK, Timestream), GCP (Cloud Run, Vertex, Firestore, Firebase), AZURE(OpenAI, Form Recognizer, Cognitive Search), Redhat OCP
- **Generative AI & Agentic Systems**: OpenAI APIs (GPT-4, GPT-3.5), Bedrock (Anthropic), Prompt Engineering, Autonomous Agent Orchestration, Prompt Engineering, Cognitive Search, Form Recognizer
- **DevOps Tools:** Docker, Kubernetes, OpenShift
- **Version Control:** Git
- **Project Management:** JIRA (Agile)
- **Frameworks:** Playwright, Pytest, Django, Flask, FastAPI, Pyspark
- **Operating Systems:** Windows, Linux (Ubuntu, RHEL)
- **Security & Access:** AWS IAM, Secrets Manager, Cognito, TACACS

PROFESSIONAL EXPERIENCE

Package App Dev Senior Analyst
Accenture | February 2025 – Present
Project: GAIN_ORCHESTRATOR – Full Stack AI-Network Automation Platform
Technologies Used: Python, AWS (Lambda, AppSync, SSM, Bedrock), Docker, FastAPI, DynamoDB, TACACS, OpenAPI, Amplify CDK

- Developed a full-stack AI-based orchestration tool to automate CLI operations on Cisco NX-OS switches via a secure central node.
- Designed scalable, serverless back-end using AWS Lambda functions to parse CLI outputs and store structured JSON in DynamoDB.
- Integrated AppSync and Cognito for secure, real-time data retrieval in a frontend dashboard.
- Implemented CI/CD using AWS Amplify and CDK to streamline infrastructure deployments and environment configurations.
- Utilized TACACS and AWS SSM for credential management and secure access control.
- Led modularization efforts, creating clean CLI command interfaces for switch interaction and dynamic host selection.

GenAI Engineer
Project: CityPulse Agentic Platform
June 2024 – Present
Technologies: Azure OpenAI, OpenAI GPT-4, Form Recognizer, Cognitive Search, FastAPI, LangChain, Firestore, Vertex AI, Docker, GCP Cloud Functions, Cosmos DB (integration), Playwright

- Designed and deployed a multi-agent GenAI architecture for interpreting real-time city pulse data (traffic, weather, civic alerts).
- Implemented RAG pipelines using Azure Cognitive Search and Form Recognizer for semi-structured civic document understanding.
- Integrated Azure OpenAI APIs and orchestrated intelligent agents to provide actionable civic recommendations and anomaly detection.
- Engineered scalable REST APIs using FastAPI, enabling city dashboards to consume LLM-powered insights in real time.
- Automated secure deployment workflows via Google Cloud Functions and Vertex Pipelines with robust scheduling logic.
- Incorporated cost-aware AI delivery practices and enforced secure LLM output boundaries through system prompts.

Principal Software Development Engineer in Test
Calsoft Pvt. Ltd. | August 2024 – Feb 2025
Project: AI Based interview app
Technologies Used: Python, AWS(lambda and bedrock), docker, FAST API

- Built an AI-powered interview app using AWS Lambda for scalable serverless backend.
- Integrated AWS Bedrock for real-time NLP analysis of candidate responses.
- Developed RESTful APIs with FastAPI for smooth front-end integration.
- Containerized the app using Docker for consistent deployments.
- Optimized user experience and ensured security compliance.

Principal Software Development Engineer in Test
Calsoft Pvt. Ltd. | May 2023 – Feb 2025
Client: Dell
Project: Dell DTIAS
Technologies Used: Python, RedHat OCP (RHOCP), Jenkins, Pytest, Postman, Ubuntu, RHEL, OpenSUSE, Cloudify

- Conducted end-to-end testing of telemetry data and infrastructure behavior across various environments.
- Performed multi-OS installation (RHEL, Ubuntu, OpenSUSE) on Dell iDRACs and HP servers.
- Validated OpenShift (RHOCP) deployment flows using DTIAS with multiple resource profiles.
- Executed High Availability (HA) and HA failover testing to ensure system resilience.
- Automated OS and OCP deployments using Python-based scripting for consistency and speed.
- Performed extensive testing of DTIAS platform using Cloudify automation workflows.
- Collaborated with development and QA teams to troubleshoot and validate DTIAS functionality on RHOCP.

Development Engineer
Calsoft Pvt. Ltd. | June 2023 – August 2023
Client: Dell
Project: Data Lake POC for Interoperable Data Transfer Solutions
Technologies Used: GCP, AWS, Azure, Data Lake

- Led the development of a Proof of Concept (POC) for seamless data transfer across multi-cloud environments.
- Evaluated technologies and methodologies for scalable, secure data transfer.

- Collaborated with cross-functional teams to optimize performance and troubleshoot issues.
- Conducted testing to ensure data transfer solutions' reliability and security.

Development Engineer
Calsoft Pvt. Ltd. | June 2022 – Feb 2023
Client: Dell
Project: Dell Metalweaver
Technologies Used: Python, Jenkins, Docker, Kubernetes, Pytest, Postman, RedHat OCP

- Automated deployment of RedHat OpenShift (OCP) stacks using CLI and REST APIs.
- Created Python-based automation scripts for managing and deploying OCP environments.
- Integrated deployment workflows with Jenkins pipelines for CI/CD execution.
- Validated APIs and deployment flows using Pytest and Postman.
- Collaborated with developers and DevOps teams to align automation with business requirements.
- Worked extensively with Docker and Kubernetes for container orchestration and environment setup.

Development Engineer
Calsoft Pvt. Ltd. | Oct 2021 – June 2022
Client: Dell
Project: Dell Intscrapper
Technologies Used: Python, Docker, Web Scraping, Hadoop, Pyspark, Postgres, FastAPI

- Developed an API-driven Smart Data Scraping solution with scheduling and on-demand features.
- Integrated AI models to preprocess scraped data and extract meaningful keywords for smart pricing.
- Utilized Hadoop and Spark for distributed data processing and storage.
- Managed CI/CD pipeline operations using Jenkins.
- Gathered requirements from clients and end-users to build efficient automation solutions.

Development Engineer
Calsoft Pvt. Ltd. | March 2021 – August 2021
Client: Calsoft Pvt. Ltd.

Project: Microservices IP
Technologies Used: Python, Docker, Kubernetes, Microservices

- Developed APIs for generating Kubernetes YAML files with inputs provided.
- Orchestrated Kubernetes cluster deployment and ensured integration with generated output files.
- Participated in peer code reviews and ensured adherence to quality standards.
- Demonstrated proficiency in Docker and Kubernetes for container orchestration.

EDUCATION

Bachelor of Technology (B.Tech)
Chitkara University, Rajpura (P.B.) | 2017 – 2021
Major: Computer Science Engineering
CGPA: 9.30/10

Class XII
Govt. Model Sr. Sec. School, Sector-16 (CHD.) | 2016 – 2017
Percentage: 88%