Sanjana Satheesh

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GitHub | *LinkedIn* | *Portfolio*

Professional Summary

Software Engineer with hands-on experience in backend development, full-stack projects, and data-driven systems. Strong foundation in Python, Java, REST APIs, SQL, and containerized applications. Comfortable working across APIs, databases, CI/CD pipelines, and frontend interfaces, with a proven ability to learn and adapt quickly.

Work Experience

Sept 2024 – Sept 2025
Fidelity Investments, Chennai
Data Engineering Apprentice

PROJECT: *Centralized Power BI Dashboard for Database Operations*
RESPONSIBILITIES:
- Built centralized dashboard in **Power BI** for monitoring Jira intakes, server status, and DBA activities.
- Connected to **Snowflake** using SQL queries and automated **Azure Portal** data pulls with HTTP calls.
- Collaborated with DBA team to convert manual tracking into real-time dashboards.

PROJECT: *UDeploy Pipeline Migration to Jenkins*
RESPONSIBILITIES:
- Migrated pipelines to **Jenkins**, creating automation scripts in **Bash** and maintaining repo on **GitHub**.
Enhanced CI/CD reliability and created documentation for team onboarding.

DESCRIPTION: *Worked as DBA with team responsible for managing and supporting databases across on-prem and cloud environments, ensuring performance, availability, and operational efficiency.*
RESPONSIBILITIES:
- Managed access controls, database patching, and Azure rehydration tasks.

Education

B.Tech in Electronics & Communication Engineering   **Aug 2019-Aug 2023**
College of Engineering, Chengannur (APJ Abdul Kalam Technological University)

Higher Secondary & High School
Toc H Public School, Kochi, Kerala (CBSE)

Projects

Cute Formatter | Next.js, React, Tailwind CSS, Three.js, Puppeteer
- Built an AI-assisted text formatting tool with real-time previews and export to HTML, PNG, and PDF.
- Designed interactive UI with 3D visuals, parallax effects, and theme presets**.**

Clickstream Analytics Pipeline | Python, Kafka, FastAPI, PostgreSQL
- Implemented producer–consumer pipelines for real-time clickstream ingestion and aggregation.
- Exposed metrics via REST APIs and visualized system health using Prometheus and Grafana.

Tech Skill Tracker | FastAPI, PostgreSQL, Docker
- Built REST APIs with schema validation and JWT-based authentication.
- Containerized backend services for consistent local development.

Merchant Payment Integration API | Java, Spring Boot, MySQL
- Implemented REST APIs for transactions, refunds, and settlements with clean layered architecture.

Technical Skills

Languages	: C, C++, Python, SQL
Frontend	: JavaScript, HTML, CSS, Tailwind CSS, React (basic), Vite
Backend	: FastAPI, REST APIs, Java Spring Boot
Databases	: PostgreSQL, MySQL
Cloud / Tools	: Azure, Jenkins, Docker, Git/GitHub
Data / Monitoring	: Power BI, Grafana, Prometheus

Training & Certifications

- **Vector Institute – Embedded Systems Training** *(2023 – 2024): C, C++, ARM7, Protocols, Linux OS*
- *OCI AI Foundations Associate*
- *Oracle AI Vector Search Certified Professional*
- *Microsoft Azure Data Fundamentals DP-900 Exam Prep*
- *Software Engineering Essentials by IBM*

Workshops

Flutter App Development Workshop – IEDC Centre, SJCET Palai