

Sanjana Satheesh

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[GitHub](#) | [LinkedIn](#) | [Portfolio](#)

Professional Summary

Software Engineer with hands-on experience in **Python, Java, C++**, and backend API development. Fast learner with the ability to adapt to new technologies and contribute effectively in team-driven projects.

Work Experience

Sept 2024 – Present

Fidelity Investments, Chennai

Data Engineering Apprentice

PROJECT: Centralized Power BI Dashboard for Database Operations

DESCRIPTION: Built a centralised dashboard in Power BI to monitor real-time database operations, including Jira intakes, server and database status, and DBA activities. It also provides visibility into POC, change, and incident tickets across business units.

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

DESCRIPTION: Migrated deployment pipelines from UDeploy to Jenkins during decommissioning, creating and running new Jenkins pipelines to ensure smooth transition and continuity.

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

Merchant Payment Integration API | Java (Spring Boot), MySQL, Swagger

- Designed REST APIs for transactions, refunds, and settlements.
- Documented endpoints with Swagger; structured layers using clean architecture principles.

Intracity Ride Booking Platform (Prototype) | Go, React, MongoDB, AWS

- Developed role-based authentication and simulated geolocation/messaging workflows.

Concurrent Chat Room (C++, TCP/IP, Multithreading)

- Developed a multi-client chat system with socket programming and concurrency handling.

Library Management System (C++ STL)

- Utilized STL containers and algorithms to manage product data and implement efficient search/sort operations.

Technical Skills

Languages: C, C++, Java, SQL, Python

Cloud/Tools: AWS (EC2, S3 basics), GCP, Jenkins, Git/GitHub, Docker

Data/Analytics: Power BI, Looker

Core Competencies: Data Structures & Algorithms, OOPS, System Design, SDLC

Training & Certifications

- Vector Institute – Embedded Systems Training (2023 – 2024) : C, C++, ARM7, Protocols, Linux OS
- Solved 180+ coding problems on LeetCode + HackerRank (DSA, algorithms, complexity optimization).
[\[HackerRank\]](#) [\[LeetCode\]](#)
- [OCI AI Foundations Associate, Oracle University](#)
- [Software Engineering Essentials by IBM](#)
- IBM AI Developer Professional Certificate (9 out of 10 courses completed, in progress)

Workshops

Flutter App Development Workshop – IEDC Centre, SJCT Palai