

Avinash

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EDUCATION

BACHELOR OF TECHNOLOGY

COMPUTER SCIENCE AND
ENGINEERING

June 2022

VIT Vellore, TN

CGPA: 9.19

SKILLS

LANGUAGES

Java , Python, C++, Golang,
C#, HTML/CSS/JavaScript

FRAMEWORKS

Development - Spring Boot, FastAPI,
.NET core

Data Access - JDBC template,
Hibernate, Mongo template, Entity
Framework

Testing - JUnit, Mockito, Karate, Tavern,
Jmeter, Locust, NUnit

Documentation - Swagger/OpenAPI,
Javadoc

DATABASES

SQL - PostgreSQL, MySQL, SQL server

NoSQL - MongoDB, Firebase

Caching - Redis

TECHNOLOGIES

Messaging - Apache Kafka

Containerization - Docker

Orchestration - Kubernetes

AI/ML - LangChain, Ollama, RAGs

Observability - Dynatrace, Splunk

Build Tools - Maven, Gradle

CI/CD - Jenkins, Gitlab

Cloud Platforms - Azure, GCP

Miscellaneous - Git, Shell Scripting

SOFT SKILLS

Problem-solving, Agile/Scrum
methodology, Communication and
Collaboration , Analytical

HONORS/AWARDS

2022 Dell's Inspire Delight Award

2018 Recipient of IAFBA Scholarship

2017 Top 10 Zonal in IMO

SOCIAL LINKS

Linkedin: [linkedin.com/in/avinash550](https://www.linkedin.com/in/avinash550)

Github: github.com/avinash-550

Leetcode: leetcode.com/avinash550

OVERVIEW

Dynamic and highly skilled software engineer with 2+ years of experience at Dell Technologies, excelling in the design and implementation of robust REST based microservices written in Java. Proven track record of delivering high-quality, scalable solutions in fast-paced environments.

EXPERIENCE

SOFTWARE ENGINEER II DELL TECHNOLOGIES

Apr 2024 – Present | Bangalore

- Actively design and implement REST based core micro-services using spring boot and .NET core to support back-end layer of Dell's public-facing applications.
- Developed an integrated system comprising processor jobs to curate data from large volume of S3 files and a REST API enabling seamless delivery to Dell's Telemetry application.
- Designed and implemented a RAG tool leveraging Ollama and Vector DB to enable advanced querying of system logs and provide actionable insights for efficient troubleshooting.
- Designed and implemented an event-driven fault alert mechanism leveraging Apache Kafka, resulting in a remarkable 60x reduction in fault diagnosis time.
- Engaged in the complete Software Development Life Cycle (SDLC), placing a strong emphasis on Agile (Scrum) methodologies.
- Initiated and led a weekly organizational tech discussion forum, fostering collaboration and knowledge-sharing on industry trends.

SOFTWARE ENGINEER I DELL TECHNOLOGIES

Aug 2022 – Mar 2024 | Bangalore

- Developed and maintained RESTful APIs written in spring boot.
- Successfully implemented solution to seamlessly run on demand performance test on Azure Kubernetes Service with Jmeter, resulting in a faster execution time 5x.
- Engineered a Python-based solution for generating voluminous test data, effectively eliminating dependencies on Post APIs for performance testing purposes.
- Collaborated in the development of a Kubernetes operator for deploying on-demand databases as per given custom resource definition (CRD).
- Designed and executed performance tests using JMeter and Gatling.

PROJECTS

PROMPT CATALOG

Spring boot API to create, store and manage AI prompts.

- JWT authentication with register and login endpoints
- Ability to logically group prompts using topics.

NEWS API

Flask-restful API to curate current news from RSS feeds

- Filter news based on given date range, sources, category and keywords.
- Unique developer key mechanism for data access.

OPEN SOURCE

- Typearena** - Added a modern responsive landing page.
- Firstcontributors** - Updated a broken slack link in documentation.