

# Avinash

Software Engineer | avinash.getmail@gmail.com | +91-6282545709

## 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** - LangChain, LlamaIndex, 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

## LINKS

**Portfolio:** avinash-550.github.io/  
portfolio-website

**Linkedin:** linkedin.com/in/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.

### RATE-LIMIT-AS-A-SERVICE (RAAS)

A dedicated microservice to manage rate limiting for API users.

- Enforces request limits per user and API endpoint.
- Easily adjustable request limits and time windows.

### OPEN SOURCE

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