

Avinash

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EDUCATION

BACHELOR OF TECHNOLOGY

COMPUTER SCIENCE AND
ENGINEERING

June 2022

VIT Vellore, TN

CGPA: 9.19

SKILLS

LANGUAGES

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

FRAMEWORKS

Spring - Spring Boot, Spring Web, Spring
Data JPA, Spring Security

.Net - ASP.NET

DB interaction - JDBC template,
Hibernate

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

DATABASES

SQL - PostgreSQL, MySQL, Oracle

NoSQL - MongoDB, Firebase

Cache - Redis

TECHNOLOGIES

Messaging - Apache Kafka

Containerization - Docker

Orchestration - Kubernetes

Build - Maven, Gradle

CI/CD - Jenkins, Github Actions

Cloud - Azure Cloud, GCP

Misc - Git, Bash (Linux Shell Scripting)

SOFT SKILLS

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

HONORS/AWARDS

2022 Dell's Inspire Delight Award

2018 Recipient of IAFBA Scholarship

2017 Top 10 Zonal in IMO

SOCIAL LINKS

Portfolio: [avinash/portfolio](https://avinashportfolio.com)

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 and C#. Proven track record of delivering high-quality, scalable solutions in fast-paced environments.

EXPERIENCE

DELL TECHNOLOGIES | SOFTWARE ENGINEER I

Aug 2022 – Present | Bangalore

- Design and implement RESTful APIs using Spring boot and ASP.NET core to support back-end layer of Dell's public-facing applications.
- Engaged in the complete Software Development Life Cycle (SDLC), placing a strong emphasis on Agile (Scrum) methodologies.
- Designed and implemented an event-driven fault alert mechanism leveraging Apache Kafka, resulting in a remarkable 60x reduction in fault diagnosis time.
- Notably enhanced the reliability of a critical cronjob by implementing strategic rate and batch limiting mechanisms.
- 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).
- Initiated and led a weekly organizational tech discussion forum, fostering collaboration and knowledge-sharing on industry trends.

DELL TECHNOLOGIES | UNDERGRADUATE INTERN

Jan 2022 – Jun 2022 | Virtual

- Explored and gained experience with REST APIs, Spring Framework, and Microservices Architecture.
- Designed and executed performance tests using JMeter and Gatling.
- Engineered a Docker image to seamlessly execute JMeter tests within a Kubernetes cluster , resulting in a 5x improvement in execution time.
- Authored Karate scripts to validate the functionality of newly implemented features in REST services.

SPACELINKINDIA (NEWSBULB) | AI INTERN

Mar 2020 – Jun 2020 | Virtual

- Designed and implemented full stack news curator application from scratch, catering to editors' needs for selecting and summarizing news articles. Fully automated the summarization process and improved the editing time by 2x.

PROJECTS

PROMPT CATALOG SERVICE

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

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

LATEST 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.