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, Mongo template
Testing - JUnit, Mockito, Powermock, Karate, Tavern, Jmeter, Locust, Gatling, NUnit
Documentation - Swagger/OpenAPI, Javadoc

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

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

EXPERIENCE

SOFTWARE ENGINEER 1 DELL TECHNOLOGIES
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.

UNDERGRADUATE INTERN DELL TECHNOLOGIES
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.

AI INTERN NEWSBULB
Mar 2020 – Jun 2020 | Virtual

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

PROJECTS & CONTRIBUTIONS

PERSONAL PROJECTS

- Command driven social media application leveraging Spring Shell.
- Contemporary portfolio website using HTML/CSS/Javascript.
- Flask-RESTful API designed to fetch news via RSS feeds.
- DFS based directory automation library in Python.

OPEN SOURCE CONTRIBUTIONS

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