

# **PARTH PARASHAR**

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## **Objective**

A motivated individual with a passion for programming and problem-solving. Currently seeking a position in a growth-oriented organization to apply my skills.

## **Skills**

Java J2EE | Spring | Spring Boot | Apache Kafka | Apache Ignite | Bash | Linux | pSQL | CSS 3 | HTML 5 | C | C++ | JavaScript | ReactJS | REST | microservices

## **Educational Qualifications**

- MS in Computer Science (Portland State University) (2021-Present)

Subjects: - Design and Analysis of Algorithms, Operating Systems, Parallel Programming, Internetworking Protocols, Machine Learning, Database Management Systems, Front-end Web Development, Full-stack web Development, Advanced Java.

Projects: -Front-end dashboard using ReactJS, HTML, CSS.

Early detection of heart diseases using unsupervised learning

Internet Relay Chat using Java.

- BS in Computer Science (University of Delhi) (2013-2017)

Subjects: -Programming Fundamentals, Computer System Architecture, Linear Algebra, Operating systems, computer networks, Discrete structures, Operational Research, Software Engineering, Data Structures, Algorithms.

## **Work Experience**

- Software Engineer (Tata Consultancy Services) (2019-2021)
  - Worked on large scale software development and deployments using Java-8 with spring boot framework, Apache Kafka, Apache Ignite and Bash Scripts.
  - Used Apache Ignite to handle the Distributed Database Management System. The built system can handle over 150 million transactions with a working throughput of 2 million transactions per second.
  - Used Apache Ignite partitions for improving the scalability
  - Used the compute-Task-Adapter to create the Jobs which were part of job-Adapters to handle partitions and improve the load distribution among nodes.
  - Wrote Bash scripts to automate the build process for build server as well as for error monitoring.
  - Worked on integrating pSQL into the developed software for storing the processed data securely. This was the raw data which was then used in conjunction with data from in-memory Ignite data for proper calculations of the requisite conditions
- Assistant Software Engineer-T (Tata Consultancy Services) (2018-2019)
  - migrated an existing C++ software to Java and providing it with Big Data capabilities using Apache Kafka and Ignite (throughput of 1 million transactions)