

# Haravind Rajula

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## EDUCATION

### University of Maryland Baltimore County (UMBC)

Baltimore, MD

Master of Science in Computer Science

Cumulative GPA: **3.78/4.0**

May 2023

**Courses:** Object oriented Design, Distributed Systems, Web Development, Databases, data structures & algorithms

### Vellore Institute of Technology

Bachelor of Technology in Computer Science

Cumulative GPA: 3.70/4.0

June 2019

## WORK EXPERIENCE

### Senior Software Engineer – Variyas Global Solutions

Jan 2023 – present

- Developing client-side application using **NodeJS** (Express JS), **Java (Spring Boot)**, React, AWS, Apache **Airflow**, PostgreSQL and API -Gateway that integrates multiple microservices into a whole system.

### Software Engineer III Intern – Walmart Global Tech

May 2022 – Aug. 2022

- Developed a productivity application for Walmart Store Associates using **Spring Boot**, **React**, **Apache Kafka**, and **Cassandra**, resulting in a **5-hour** increase in associate productivity and an indirect increase in revenue.
- Collaborated with a team of 3 interns to successfully deliver and demonstrate a project within a strict timeline.
- Achieved a 95% code coverage by implementing various testing frameworks including **JUnit** and **Mockito**.
- Successfully demonstrated strong technical skills and ability to collaborate with cross-functional teams.

### Research Assistant – CARDS Lab, UMBC

Jan. 2022 – Dec. 2022

- Contributed to research projects on **ELK stack**, **ROS**, **Spring Boot**, and **RabbitMQ**, assisting a professor in completing 2 projects within a span of 6 months each.
- Expanded microservices between three services, resulting in a **40%** reduction in processing time.
- Recommended and implemented the ELK stack for real-time analytics and hosted it on AWS and Linux servers, resulting in a 60% improvement in system visibility and issue detection.

### Full Stack Engineer – KPIT Technologies

Aug. 2018 – Jul. 2021

- Built Java and Python-based utilities to automate data accuracy verification for a UK-based OEM client, which decreased the run time by 80% and reduced manual intervention.
- Experience with **AWS** services like EC2, S3, Lambda and Cloudwatch for deploying and scaling applications.
- Proficient in utilizing **Kubernetes** monitoring tools like Prometheus and Grafana to track system performance and resource utilization, resulting in a 30% improvement in system reliability and a 15% reduction in operational costs.
- Utilized **Spring Boot's** caching capabilities to improve application performance and reduce response times, resulting in a 50% reduction in database calls, mongoDB, and a **25%** increase in system throughput.
- Strong understanding of **frontend/UI** as React fundamentals, component lifecycle, Hooks and JSX syntax.
- Optimized performance using best practices like minification, caching, and lazy loading, resulting in a **50%** improvement in page loading times and a 20% increase in search engine rankings.
- Tools used Jira, GIT, Bitbucket, visual studio, Postman, Maven, Agile such as Scrum and Kanban.

## TECHNICAL SKILLS

**Languages:** Java, JavaScript, Python, TypeScript, HTML, CSS, SQL, NoSQL, C#

**Frameworks:** Node.js, Express.js, React.js, CSS, Spring Boot, HTTP, JSON, REST, GraphQL, Kibana, Kafka, Junit, .NET

**Tools / Databases:** AWS, Git, Docker, Kubernetes, MongoDB, Elasticsearch, Cassandra, MySQL, PostgreSQL

## RELEVANT PROJECTS

### Distributed File System

**Java / Multi threading / RMI / Sockets / Cipher**

- A concurrent file system with ACID properties for creating, reading, and updating files by multiple users simultaneously.

### E-commerce website

**Express.js / Mongo / React / Bootstrap**

- E-commerce platform with UI designed using Bootstrap, CSS, React, and React Hooks for state management.
- Used reusable and composable UI components with Hooks like useState, useEffect, and useContext.

### Centralized Multi-User Concurrent Bank Account Manager

**C++ / Multi threading / Web Sockets / Linux**

- Charted a multithreaded system in C++, executing transactions simultaneous from **1000** of clients over TCP socket.
- Applied distributed system concepts like processes, threads, concurrency control and synchronization mechanisms.

## AWARDS AND ACTIVITIES

- Volunteer, **Association of Computing Machinery**, conducted several workshops to inspire young minds.
- Earned **Go-Higher Award** – for excelling and managing multiple activities simultaneously.