MANISH BEHERA

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# Software Engineer with over 1.5 years of experience, consistently delivering impactful results independently. Skilled in crafting robust, well-documented applications and ensuring code quality through rigorous testing. Quick to grasp new concepts and effective at collaborating to innovate.

# Technical Skills

**Programming Languages and Frameworks**: C++, JavaScript, TypeScript, HTML, CSS, Node.js, Express, Mocha, Jest

**Databases and Messaging Systems**: MySQL, PostgreSQL, MongoDB, Redis, Kafka

**Tools, Technologies, and Practices**: Docker, Jenkins, Git, Bitbucket, CI/CD, REST, GraphQL, Nginx, WebOS, Yocto, Sequelize, MVC, Microservices, Unit Testing, Agile, Scrum, Postman, Log Analysis

# Experience

**LG Soft India February 2023 – Present**

Research Engineer Bengaluru, India

* Spearheaded the enhancement and maintenance of **LG** **PC5S00R**, a Node.js legacy product that supports HTML5 content management, UI editing, and server administration for digital signage solutions in **100+ countries**.
* Developed an **external property management server** for **PC5S00R** using **Express**, a service that integrates with hotel systems and enables remote control and monitoring of digital signage. The server processes and sends this data to **PC5S00R** over **TCP** with an average throughput of **1,200 transactions per minute** and maintains a latency of under **200 milliseconds**. It ensures **99.9% uptime**, effectively managing **over 800 digital signage displays** and integrating with hotel systems to reduce manual intervention by **60%**.
* **Engineered a PMS Validation Tool** to facilitate efficient data synchronization between servers. Designed a robust **JSON-based validation framework** to ensure data integrity by cross-referencing guest information across databases. Achieved **98% accuracy** in data validation using **joi** and reduced discrepancies by **40%**, enhancing overall system reliability.
* Implemented automated testing and deployment workflows using **Jenkins**, resulting in a **40% reduction** in manual deployment errors and a **50% decrease** in deployment time.
* Successfully integrated legacy code with a new logging feature via **SSH** to fetch logs from WebOS boards. This enhancement reduced developer debugging time by **30%**, resulting in faster issue resolution and a more streamlined development process.
* Resolved over **50+ field issues** and optimized code performance using advanced debugging tools and techniques. This resulted in a **25% reduction** in customer-reported bugs from **Asia** and **Europe**, and a **20% increase** in overall system stability.

**Celebal Technologies July 2022 – September 2022**

Web Developer Intern Jaipur, India

* Coordinated and prioritized **8-10 assignments** weekly within tight deadlines allowing for greater focus on strategic initiatives.
* Built responsive and elegant desktop web UIs.
* Working on Windows and Linux machine, learnt Linux commands, database management and GIT.

# Personal Projects ([Github](https://github.com/ManishRB21))

**Baskety:** E-commerce website incorporating payment processing through Stripe. Implemented user authentication with email validation and password reset features. Utilized a NoSQL database for flexible data storage, integrating ORM for simplified database interactions.

**Bloged:** Dynamic blog website with file upload/download capabilities, real-time updates via WebSockets and Socket.IO, and efficient data fetching using GraphQL for optimized performance

**Education**

**Global Institute of Technology (RTU) Aug 2019 – Jun 2023**

B.Tech Computer Science Engineering – 8.91 Jaipur, Rajasthan