MANISH BEHERA

📞 8638268113   ✉ Manishbeheraa8@gmail.com   in linkedin.com/in/manish-ranjan-behera

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)

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