**SAI MAHENDRA PENUMAKULA**

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**PROFESSIONAL SUMMARY**

Highly skilled Java Software Engineer with 3 years of hands-on experience in designing, developing, and maintaining robust Java applications, specializing in full-stack development. Proficient in Java SE and Java EE technologies, adept at utilizing modern web frameworks for creating responsive and user-friendly software. Known for delivering successful projects on time, adhering to Agile methodologies, and bringing a collaborative approach to cross-functional teamwork, with a passion for optimizing code performance and a dedication to finding elegant solutions to complex technical challenges.

**TECHNICAL SKILLS:**

**Languages**: Java JavaScript, HTML, CSS **Oracle Technologies**: BRM, OSB, OSM **Web** **Technologies**: React, Spring Boot **Databases**: MongoDB, MySQL. **OS:** Windows, UNIX **Version Control**: Git **Security:** IAM **Cloud:** AWS **IDE’s**: Eclipse, Visual Studio Code **Methodologies**: Agile/Scrum

**PROFESSIONAL EXPERIENCE**

**Software Developer** | **Singtel | Chennai May 2018-Oct 2021**

**Responsibilities:**

* Configured BRM to handle 10,000 concurrent billing transactions per second, establishing a robust and scalable billing infrastructure.
* Utilized Oracle Service Bus (OSB) for seamless service orchestration, managing interactions between BRM, Order and Service Management (OSM), and microservices.
* Implemented modular microservices in Java and Spring Boot for user authentication, subscription management, invoicing, and payment processing, resulting in a 40% increase in development efficiency and reducing maintenance time by 25%.
* Developed a responsive web-based user interface using React, HTML, and CSS, ensuring a user-friendly experience.
* Employed Node.js with Express to build lightweight and scalable APIs, facilitating seamless communication between the front end and back end.
* Utilized Java and Spring Boot for backend services, handling business logic, data processing, and integration with BRM and OSM.
* Invoked a relational database to store customer data, billing information, and system configurations, ensuring rapid response times for billing queries.
* Enhanced system scalability, hosting the application on Amazon EC2 instances, and maintaining optimal CPU utilization.
* Leveraged AWS services such as RDS, S3, and Lambda for database hosting, asset storage, and serverless functions.
* Streamlined build, test, and deployment processes, leading to a more agile and efficient development lifecycle.
* Employed Git as the version control system for efficient source code management.
* Actively monitored system performance with AWS CloudWatch, minimizing downtime and ensuring a seamless user experience.

**ACHIEVEMENTS:**

**Certifications:** Software Engineering Virtual Experience at JPMorgan Chase& Co.

Java Programming NPTEL by IIT Kharagpur.

**Volunteer Work:** Participated in a Campaign to develop a rural village and led a team to help stray dogs.

**EDUCATION:**

**Master’s**: Specialization in Computer Science from Auburn University at Montgomery. Year of Passing May 2023**.**

**Bachelor’s:** Specialization in Electronics and Communication Engineering from Sathyabhama Institute of Science and Technology INDIA. Year of Passing May 2018.