

# SAIPRASATH R S

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## PROFILE SUMMARY

Java Backend Developer with 3+ years of experience designing, developing, and deploying high-performance, scalable applications using Java, Spring Boot, Microservices, and AWS. Proficient in building RESTful APIs, implementing cloud-native solutions, and optimizing backend systems for reliability and performance. Experienced in CI/CD pipelines, containerization with Docker, and Agile methodologies. Strong expertise in database design, SQL, and ORM frameworks like Hibernate.

## TECHNICAL SKILLS

**Languages:** Java 8/11/17, SQL, Python

**Frameworks & Libraries:** Spring Boot, Spring MVC, Spring Data JPA, Hibernate, Microservices, REST APIs

**Cloud & DevOps:** AWS (EC2, S3, Lambda, RDS, IAM, CloudWatch), Docker, Jenkins, Azure DevOps

**Databases:** MySQL, Azure SQL, PostgreSQL, MongoDB, Redis

**Tools & Platforms:** Maven, Git, JUnit, Mockito, Postman, Linux, Windows, Swagger

**Concepts:** OOP, Design Patterns, Data Structures, CI/CD, Agile/Scrum, Event-Driven Architecture

## PROFESSIONAL EXPERIENCE

**Software Engineer** | People Tech Group

India

*Jun 2023 – Present*

- Designed RESTful APIs handling 50,000+ daily requests for billing and transaction processing
- Contributed to development and deployment of billing application using Java Spring Boot, Microservices, MongoDB, and Docker for client-specific messaging transactions and invoice generation
- Developed automated scheduler that generates monthly bills by processing daily message data and applying country-specific rate calculations
- Implemented AWS cloud solutions including EC2, S3, and RDS, reducing infrastructure costs by 25% through optimized resource allocation
- Integrated Apache Kafka for event-driven architecture, processing 1M+ events daily with real-time data streaming
- Containerized applications using Docker and orchestrated with AWS ECS, decreasing deployment time by 60%
- Utilized Hibernate and Spring Data JPA for efficient database interactions and optimized SQL queries

**Mobile App Developer** | Touchmark Descience

India

*Oct 2022 – Feb 2023*

- Spearheaded end-to-end design and development of rewards-based e-commerce application for iOS and Android using Flutter
- Engineered seamless user experience integrating core e-commerce features with custom reward and loyalty system

**Software Engineer** | mPura Inc

India

*Aug 2021 – Aug 2022*

- Developed mobile and backend solutions with MySQL database management
- Collaborated with customers to understand design and logic priorities, ensuring successful implementation
- Analyzed large datasets with SQL to identify trends and draw insights, resulting in 29% increase in operational efficiency

## PROJECTS

**Ivory AI**

*Backend Developer*

**Technologies:** Java, Spring Boot, REST APIs, MongoDB/MySQL, AWS, Docker

- Designed and developed high-performance REST APIs
- Optimized API performance by implementing efficient query handling, indexing strategies, and caching mechanisms, significantly reducing response time
- Refactored existing APIs to improve scalability, error handling, and maintainability following clean architecture principles
- Integrated secure authentication and authorization mechanisms for API access

- Deployed services using Docker and AWS, ensuring high availability and reliability in production environments
- Collaborated closely with cross-functional teams to understand business requirements and translate them into scalable backend solutions

### **Paizatto**

*Mobile App Developer*

**Technologies:** Flutter, REST APIs

- Developed cross-platform mobile application from scratch using Flutter for both Android and iOS platforms
- Implemented complete app architecture including UI design, state management, API integration, and error handling
- Integrated backend REST APIs to handle user authentication, data retrieval, and real-time updates
- Focused on performance optimization and responsive UI to ensure smooth user experience across devices
- Managed app builds, testing, and deployment processes for mobile platforms

### **Smart Money Ventures**

*Full Stack / Backend Developer*

**Technologies:** Java, Spring Boot, REST APIs, HTML, CSS, JavaScript, MySQL

- Built and maintained business websites along with scalable backend REST APIs using Java and Spring Boot
- Designed and implemented backend logic for handling financial data, user workflows, and secure transactions
- Developed responsive frontend interfaces using HTML, CSS, and JavaScript to support business operations
- Worked on database design and optimization to ensure data consistency and performance
- Collaborated with stakeholders to gather requirements and deliver solutions aligned with business goals

### **Billing Application**

*Backend Developer*

**Technologies:** Java, Spring Boot, Microservices, MongoDB, MySQL

- Developed and deployed a billing application to manage client-specific messaging transactions and invoice generation
- Deployed application as JAR file using Docker for scalability and easy management
- Designed backend logic and database schema for handling billing rates and client data
- Created an automated scheduler to generate monthly bills for clients, processing daily data with country-specific rates

## **EDUCATION**

**Bachelor of Engineering in Electronics and Communication Engineering**

K.L.N. College of Engineering

2020