Rajan Sharma

Java Developer

📞 +91 9592585892 ✉ rajanrajpura18@gmail.com in linkedin.com/in/rajan-sharma-32a246197 ⌂ github.com/Rajansharma0786

Education

I.K. Gujral Punjab Technical University — **2018 - 2022**
Bachelor of Technology in Computer Science and Engineering — *7.5 CGPA*

Experience

Visiontrek Communication — **Nov 2022 – Present**
Java Developer — *Mohali*

- Designed and implemented robust, high-availability backend services utilizing Java, Spring Boot, and Hibernate. Ensured seamless operation and minimal downtime for critical applications.
- Developed and maintained RESTful APIs to facilitate seamless communication between frontend and backend systems. Successfully integrated third-party services to extend application capabilities and enhance user experience.
- Optimized SQL queries and database interactions to significantly improve performance and response times. Ensured efficient data handling and retrieval, contributing to overall system efficiency.
- Implemented advanced security measures, including Spring-Security and JWT, for secure user authentication and authorization. Enhanced application security, protecting sensitive data and ensuring compliance with industry standards.

Projects

Game Pyramid / *Java, Spring Boot, MySQL, API, Postman*
- User Subscriptions: Developed a robust system enabling user subscriptions via SMS and web portal, enhancing accessibility and user engagement.
- Charging Mechanisms: Implemented efficient user charging mechanisms to manage subscription payments seamlessly.
- System Integration: Integrated SMS Gateway to handle all SMS interactions, providing real-time responses and updates to users.

Niger Games / *Java, Spring Boot, USSD Gateway, MySQL*
- USSD Menus: Developed intuitive USSD menus allowing users to view options and subscribe to services effortlessly.
- Subscription Management: Managed user charging and renewal processes, ensuring smooth and reliable service subscriptions.
- User Interaction: Utilized USSD Gateway to facilitate easy and quick user interactions, improving overall service accessibility.

MIS Portal Backend / *Java, Spring Boot, MySQL*
- Revenue Reporting: Developed the backend system for a Management Information System (MIS) portal, allowing clients to view daily and monthly revenue for their services, providing valuable insights.
- Data Accuracy: Ensured accurate and reliable data retrieval and presentation, helping clients make informed business decisions.
- Performance Optimization: Optimized backend performance to handle large volumes of data efficiently.

Game 360 | *Java, Spring-Boot, MYSQL, API*
- User Points System: Designed and managed a dynamic user points system, awarding bonus points for new users and deducting points based on gameplay, promoting user retention and engagement.
- Reward Distribution: Ensured fair and timely distribution of rewards to the top 10 players, maintaining high user interest and competition.
- Backend Management: Developed a robust backend to handle the points system and reward distribution efficiently.

Big Cash| *Java, Spring-Boot, MYSQL, USSD-Gateway, API*
- Service Subscriptions: Enabled user service subscriptions via USSD and web portal, enhancing user accessibility and convenience.
- Callback Functions: Developed and implemented callback functions for subscribing and unsubscribing users, ensuring a seamless and efficient user experience.
- Integration: Successfully integrated USSD and SMS API to manage user interactions and service subscriptions in real-time.

YoNumbers | *Java, Spring-Boot, MYSQL, USSD-Gateway, API, XML*
- USSD Menus: Created user-friendly USSD menus for viewing options and subscribing to services, significantly enhancing user engagement.
- Subscription Management: Managed user charging and renewal processes for a substantial user base of up to 600k, ensuring system reliability and scalability.
- Large-Scale Data Handling: Developed backend solutions capable of handling large-scale data operations, ensuring smooth and efficient processing.

Kids Mania | *Java, Spring-Boot, MYSQL, USSD Gateway, SMS Gateway, API, XML*
- SMS Flow: Developed an SMS-based system that allowed users to interact with the service via text messages. Users could subscribe to services, receive notifications, and manage their accounts using simple SMS commands. The system handled inbound and outbound SMS traffic through the integrated SMS Gateway, ensuring real-time communication and updates.
- Callback Handling in XML: Implemented callback functionality to process subscription and unsubscription requests in real-time. The system handled incoming callback requests from the SMS Gateway and other integrated services, parsing and processing them using XML format. This ensured that the system could respond promptly to user actions, updating the database and notifying users accordingly.
- API Integration: Integrated various third-party APIs to enhance the service offerings. These APIs were used for additional features such as content delivery, payment processing, and user authentication. The system ensured secure and reliable API interactions, maintaining high performance and data integrity.

Technical Skills

Languages and Frameworks: Java, Spring-Boot, React

Databases and Other Tools: MySQL, REST API, Git/ GitHub, VS Code, Jenkins