

AJAY KUMAR SHUKLA

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EDUCATION

Institute of Technology, Guru Ghasidas Vishwavidyalaya
Bachelor of Technology in Computer Science and Engineering

Jun 2022
Bilaspur, India

SKILLS

Languages: JAVA, SQL, NoSQL, HTML, CSS, C++
Frameworks/Libraries: Spring, Spring Boot, Hibernate, JUnit
Databases: MySQL, PostgreSQL, MongoDB
Architecture: Microservices, REST APIs, Design Patterns, High Level Design, Low level Design
Methodologies: CI/CD Pipeline, Multithreading and Concurrency, Kafka, Redis, Docker
Tools: Git, GitHub, JIRA, VS Code, IntelliJ

EXPERIENCE

Zaggle Prepaid Ocean Services Ltd | *Senior Software Engineer*

Jun 2024 – Present

- **Led Zatix Credit Card System Development** - Spearheaded backend development using Java, Spring Boot, and MongoDB, integrating multiple banking systems for a hybrid multi-wallet feature, enhancing transaction capabilities by 40%.
- **Designed and Implemented Co-branded Multi-wallet Credit Card System** - Developed a secure multi-wallet system with AES and RSA encryption, boosting customer trust by 40% and reducing security incidents by 30%.
- **Engineered Plugin Architecture** - Designed and implemented plugin architecture to process data from multiple sources like CDF, VCF, and API using Kafka, improving transaction speed by 30% and reducing errors by 25%.
- **Orchestrated Deployment and Containerization** - Managed Docker-based deployment to production, achieving a 15% increase in deployment speed and reducing system downtime by 25%.
- **Reward Accrual Microservice** - Built a microservice for reward accrual and redemption, integrating personalized offers and streamlining cross-product functionality with Zatix Credit Card System.
- **Implemented TSRTC Prepaid Wallet** - Deployed wallet services with M2P, optimizing transaction processes, achieving a 25% reduction in downtime, and increasing customer satisfaction by 40%.
- **Zatix and Zaggle Product Integration** - Integrated Zatix Credit Card System with multiple Zaggle products, streamlining cross-platform functionality and improving user experience.
- **Centralized Authentication and Security** - Integrated centralized authentication using Java, PostgreSQL, and Redis, incorporating a two-factor authentication system with Spring Boot, resulting in a 30% reduction in unauthorized access attempts and seamless login functionality across Zaggle products.
- **Database Optimization** - Leveraged PostgreSQL, MySQL, and MongoDB based on specific requirements, resulting in improved query performance and an overall 20% increase in system efficiency.
- **API Development for Mobile App** - Created APIs for login handling and OTP-based authentication, enhancing mobile app security and user onboarding efficiency.

PROJECTS

Zatix Credit Card System | *Java, Spring Boot, MongoDB, Kafka*

December 2023

- Led the development of a co-branded corporate credit card program at Zaggle in partnership with multiple banks, enabling efficient employee expense management.
- Designed and implemented a scalable database schema, optimizing data retrieval and management.
- Built RESTful APIs and integrated Kafka, enhancing interoperability by 25% and data processing speed by 40%.

User Management System | *Java, Spring Boot, PostgreSQL, Spring Security*

Oct. 2021

- Developed a centralized platform managing roles, logins, and restrictions for over 800 users, ensuring seamless access across multiple Zatix services.
- Implemented Spring Security for authentication and authorization, improving platform security and reducing unauthorized access incidents by 30%.

HONORS AND AWARDS

- **Winter Research Internship Program (IIIT-Allahabad)** Selected as a top 10 candidate for the Winter Research Internship at IIIT-Allahabad. Had the opportunity to work closely with top professors on cutting-edge ML and AI research. (Oct 2020 - Jan 2021)
- **Community Lead at Developer Student Clubs - GGV**, led a team of 65 members to organize technical events and workshops, impacting over 500 students by enhancing knowledge in technologies such as Flutter, Machine Learning, and Web Development. (Sept 2020 - Oct 2021)