

Avinash Chandra

Lead Backend Java Developer @ **MakeMyTrip**

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Professional Summary

Lead Backend Java Engineer with 7.8 years of experience in designing and delivering scalable, high-performance applications across fintech, payments, and e-commerce domains. Expertise in Java/J2EE, Spring Boot, REST APIs, SQL/NoSQL, and Microservices with proven success in architecting secure and reliable backend systems. Currently leading backend development for the Mmt Travel Card project, managing card onboarding, promotions, membership allocation, offers, and rewards points systems. Strong problem-solving and system optimization skills with a track record of driving projects from inception to production in Agile environments.

Technical Skills

- **Programming:** Java, Spring Boot, Hibernate, JPA, RESTful APIs, Microservices
- **Problem Solving:** Data Structures & Algorithms, System Design
- **Databases:** SQL (Oracle, MySQL), NoSQL (Aerospike)
- **Messaging & Streaming:** Kafka,
- **DevOps & Build Tools:** Maven, Jenkins, Git
- **Security & Payments:** HSM (enc/dec), Authentication by pin & Authorization
- **Testing & Quality:** JUnit, Mockito, Postman

Education

- **National Institute of Technology, Patna** – B. Tech in IT (Jun' 17) | GPA: 7.02/10

Work Experience

- **Lead Software Engineer | MakeMyTrip | Jul' 25 – Present**
 - Managing backend services for MMT-ICICI Travel Card, covering secure onboarding, promotions, MMT Black allocation, and rewards management.
 - Designed and optimized APIs **for** card onboarding, offers, and reward points, ensuring smooth integration with ICICI systems.
 - Automated workflows for membership allocation and benefits, improving customer experience.
 - Built scalable microservices with **Java**, Spring Boot, Redis, and NoSQL, enhancing speed and reliability.
 - Collaborated with product, marketing, and banking teams to deliver **customer-focused loyalty features**.
 - Led performance tuning and production issue resolution, improving uptime and transaction throughput.
- **SDE-III | Airtel Payments Bank | Dec' 22 – Jul' 25**
 - Led development of critical API services ensuring high availability, security, and seamless transaction processing.

- Designed and implemented a dual-database strategy (Oracle + Aerospike) for efficient transaction management and real-time data consistency.
- Built secure PIN Management Systems with HSM, ensuring compliance with financial security standards.
- Automated recurring transactions with a Payments Scheduler, improving customer experience.
- Contributed to NCMC implementation (National Common Mobility Card), enabling seamless transit and retail payments.
- Optimized backend systems in a high-traffic environment, reducing performance bottlenecks and boosting transaction throughput.

▪ **ASE-II | Optum Global Solutions | Oct' 21 – Dec' 22**

- Built scalable web applications using Java technologies in Agile development environments.
- Developed backend services in Spring Boot + Microservices, ensuring scalability and fault tolerance.
- Designed custom exception handling frameworks, improving resiliency across distributed systems.
- Applied design patterns (Singleton, Factory) and optimized workflows for performance.

▪ **Technology Analyst | Infosys | Jan' 18 – Sep' 21**

- Enhanced an e-commerce application by building APIs, improving performance, and migrating a .NET monolith to Java Microservices.
- Designed and developed a Java-based inventory management utility for data handling and Excel integration.
- Troubleshoot and resolved production issues, ensuring system stability and reliability.
- Improved code quality through JUnit testing and code reviews, ensuring robust deployments.