

# Avinash Chandra

Senior Backend  
Java Developer

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## Technical Skill

- Java
- Hibernate
- Spring Boot
- Maven
- Jenkins
- Restful web services
- DS and Algorithms
- DB (SQL, NoSQL)
- Microservices
- HSM enc/dec
- API design and development
- JUnit testing
- Strategic Problem Analysis

## Education

- National Institute of Technology, Patna  
B.Tech in IT, Jun' 17  
GPA- 7.02/10

## Professional-Summary

Highly skilled Senior Backend Java Engineer with over 7 years and 4 months of experience in Java/J2EE technologies. Proven track record in designing, developing, and delivering sophisticated software applications that enhance platform functionality. Expertise in Java, J2EE, REST APIs, and SQL databases, maximizing web development efficiency. Exceptional design acumen and integrated problem-solving skills ensure high-quality solutions through meticulous coding, testing, and implementation. Currently seeking a full-time role to leverage interpersonal skills, effective time management, and problem-solving expertise.

## Work-Experience

### SDE-III at Airtel Payments Bank(Dec' 22, Present)

- Led the development of critical API services to power the banking infrastructure, ensuring high availability, security, and seamless transaction processing.
- Implemented a comprehensive user security project , driving it from inception to full implementation, integrating secure authentication, encryption, and fraud prevention mechanisms.
- Architected and optimized databases , designing scalable workflows to ensure high reliability and performance in financial transactions.
- Implemented a dual-database strategy using Oracle and NoSQL (Aerospike) for efficient transaction management, real-time data consistency, and enforcing account limits.
- Developed and integrated secure PIN Management Systems with HSM (Hardware Security Module) , ensuring compliance with financial security standards for secure PIN creation, validation, and storage.
- Key contributor to Payments Scheduler , automating recurring transactions and optimizing performance to enhance customer experience.
- Played a critical role in the Global Fintech Project , ensuring compliance with international payment standards and collaborating with cross-functional teams to integrate fintech solutions.
- Extensive experience in card payments , contributing to NCMC (National Common Mobility Card) implementation , supporting seamless transit and retail transactions.
- Optimized backend systems in a high-traffic environment , resolving performance bottlenecks and enhancing transaction throughput.

### ASE- II at Optum Global Solutions(Oct' 21, Dec' 22)

- Built web applications using Java technologies to expand the functionality of a SaaS platform in an Agile development environment.
- Developed and optimized backend services using Spring Boot and Microservices architecture , ensuring scalability and maintainability.
- Implemented custom exception handling to improve fault tolerance and streamline error management across distributed systems.
- Worked extensively with data structures, design patterns ( Singleton, Factory ), and queueing mechanisms to enhance system performance and reliability.
- Actively contributed to web application design , preparing detailed design specifications and optimizing workflows for seamless application development.

### Technology Analyst at Infosys (Jan' 18, Sep' 21)

- Contributed to the development and enhancement of an e-commerce monolithic application by building and optimizing APIs, developing features, and improving system performance using Java, Hibernate, JPA, SQL, and Spring technologies.
- Played a vital role in migrating an existing .NET-based e-commerce platform to a Java microservices architecture, leveraging Spring Boot, RESTful APIs, and microservices design to ensure scalability, maintainability, and smooth integration.
- Worked on a Java utility for an inventory management system, collaborating with the team to manage and process data from Excel sheets, optimizing data flow and system integration.
- Demonstrated strong problem-solving skills by actively troubleshooting and resolving production issues, ensuring the stability and reliability of critical systems.
- Contributed to maintaining high code quality through the implementation of JUnit tests and participation in post-development code reviews, ensuring functionality, performance, and robustness of the application.