

# ANKIT CHAUDHARY

Backend Developer | 2+ Years Experience | IIT-Kharagpur

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## EDUCATION

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**Indian Institute of Technology Kharagpur**

*June 2021 - May 2023*

*Master of Technology (Computer Science & Engineering)*

**Institute of Engineering & Technology, DAVV**

*June 2015 - May 2019*

*Bachelor of Technology (Computer Science & Engineering)*

## TECHNICAL SKILLS

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**Programming:** Java, Node.js, SQL, Python, C++

**Tools & Servers:** Spring JPA, Hibernate, Maven, NPM, PM2, TypeScript, Junit, JMeter, Redis, Tomcat, Eclipse IDE, Postman, Git, CI/CD Pipelines(Jenkins), Splunk, BitBucket, SonarQube

**Frameworks:** Spring boot, Express.js, NestJS, WSO2-APIM (API Manager), WSO2-MI (MicroIntegrator), Spring MVC

**Database Messaging:** MySQL, PostgreSQL, PL/SQL, Kafka, RabbitMQ

**Technical Knowledge:** REST APIs, MicroServices, Multithreading, Caching(Redis Java In-memory) Encryption(AES and RSA), OAuth2/JWT, Software Design principal, Java Design Patterns, Data Structures and Algorithms, XML and JSON technologies, Operating System, Computer Network

## WORK EXPERIENCE

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**SMFG India Credit, Software Developer**

*June 2023 - Present*

***LOS Integrations with SFDC***

- Implemented RESTful APIs for seamless communication between LOS and Salesforce, facilitating real-time data updates and improving system interoperability.
- Collaborated with cross-functional teams to design and deploy integration solutions, ensuring alignment with business requirements and compliance standards.
- Conducted system testing and validation, identifying and resolving integration issues to ensure reliable and efficient data flow between platforms.

***Digital Personal Loan System Implementation***

- Designed system to scale: modular microservices / decoupled components for different stages of the loan journey; optimized database schema; caching, load balancing as required.
- Integrated 50+ external services like KYC, credit scoring, payment gateways, etc through REST APIs, implemented robust fallback, retry timeout logic to handle unreliable external responses, reducing integration failures and improving system reliability.
- Ensured secure data handling and compliance: encrypted data at rest/in transit, role-based access in the system, audit logs of key decisions, compliance with regulatory requirements.

***Asynchronous Framework Implementation for APIs***

- Designed event-driven microservices architecture with Kafka, enabling real-time communication across distributed systems.
- Leveraged non-blocking I/O to enhance responsiveness under load, while implementing robust error recovery mechanisms—including retries, circuit breakers, and dead-letter queues—for resilient handling of I/O-heavy operations like database and external API calls.

## PROJECTS

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**Online File Editor with Collaboration C/C++ codes using FTP functionalities**

- Designed a multi-client server communication architecture using TCP sockets.
- Implemented FTP functionalities like Download, Upload, delete c/c++ files, list files in directory etc.
- Facilitate users to viewing active clients, creating collaborators (clients can accept/reject request of collaborations of other clients) and also can update line-wise data from a file.