

Siddhant Singh

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SKILLS

Languages & Frameworks: Java, JavaScript ,HTML, CSS, ReactJS, NodeJS, Python, Spring, Spring Boot, Hibernate Apache Spark, Apache Flink, Apache Kafka, Apache Storm, Apache Airflow, DBT, JUnit, System Design patterns, Data Structures algorithms, Object-oriented, SOLID, CAP, AWS, GitLab, Azure, GCP, Cloud.

Tools: GIT, MySQL, NoSQL, Jira, Docker, Kubernetes, Splunk, Postman, Grafana, CICD, Confluence, Oracle SQL Developer, IntelliJ, Eclipse, Fortify, Microsoft Azure, Pivotal Cloud Foundry, Maven.

WORK EXPERIENCE

Fiserv, Noida

Jun 2022 - Present

Software Engineer - 2

- Resolved 80+ user stories and 35 complex technical defects, resulting in enhanced application functionality, increased security, and improving service reliability by 40% and reducing user-reported issues by 60%.
- Designed scalable data streaming workflows integrating Apache Kafka with Apache Flink and Spark, improving the reliability of settlement reporting systems by 40% and eliminating data inconsistencies across distributed ledgers.
- Collaborated in an Agile environment to migrate production services from Java 8 to Java 21, leveraging virtual threads and Spring reactive stacks to improve application response time by 15%
- Engineered highly scalable back-end microservices using Spring Boot, accelerating transaction dispute processing to under 2 seconds and elevating overall system efficiency scores by 35%.
- Architected HLD for event-driven microservices processing 10M+ daily transactions and applied LLD (SOLID, Design Patterns) to optimize resource efficiency by 30% for 15+ toolkit clients.
- Revamped the front-end by converting legacy HTML, CSS, and JavaScript into a React.js and Typescript application, using Node.js tools for an optimized build process and achieving a 40% performance gain.
- Architected and built 15 new, scalable services from the ground up with Spring Boot to serve a new tier of toolkit clients.
- Achieved 90% code coverage by implementing robust unit tests with Junit, enhancing overall application reliability.
- Strengthened application security pipelines by integrating Fortify scans into GitLab workflow, proactively resolving critical vulnerabilities and reducing security risks by 75%.
- Deployed and Managed scalable microservices on AWS using EC2, S3, Lambda, RDS, and CloudWatch, with automated CI/CD pipelines to enable seamless integration, testing, and deployment.
- Audited the application requirements alongside stakeholders, preventing 25+ critical requirement gaps that could lead to significant settlement issues, and accelerated project delivery.
- Engineered high-throughput data processing pipelines using Apache Spark and Apache Flink, orchestrated via Apache Airflow and DBT, to enable real-time analytics and reporting for the Dispute Expert Toolkit Clients.
- Led the end-to-end development of 5 new features, from design to deployment, enhancing application stability and earning recognition as Team's Best Performer for 2024-25.

EDUCATION

• Vellore Institute of Technology

– B.Tech in Computer Science and Engineering.

Bhopal, India.

Jun 2018 - May 2022.

PROJECT WORK

- **Paddy Disease Detection System:** Forged an Android application using Java, XML, Firebase, YOLOv10 and Tensorflow Lite that identified 3 common paddy diseases with 95% accuracy, providing farmers with real-time treatment recommendations.
- **Detox:** Constructed a smart city waste management application using Java for Android, featuring a YOLOv10 model for real-time garbage detection and reporting, which automated cleanup dispatch via a Firebase backend and a ReactJS admin dashboard.

LEADERSHIP AND ACTIVITIES

- Secured 1st place among 500+ participants in Fiserv's Secure Code Warrior competition, validating advanced expertise in secure coding practices.
- Led a 10-member Android team at Google Developer Student Club, driving innovative app development and conducting technical workshops.