# Siddhant Singh

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## PROFESSIONAL SUMMARY

- **A highly motivated** Software Engineer with **2+** years of experience specializing in **Java** J2EE development and **microservices** architecture. **Spearheaded** the fortification of application security pipelines, reducing critical vulnerabilities by **75%** through the integration of **Fortify** scans into **GitLab** workflows. Proven ability to design and deploy scalable, high- **availability** applications, with a strong focus on secure coding practices and system optimization.

## TECHNICAL SKILLS

**Languages & Frameworks:**

Java, JavaScript, HTML, CSS, ReactJS, NodeJS, Python, Spring, Spring Boot, Hibernate

**Tools & Platforms:**

GIT, MySQL, NoSQL, Jira, Docker, Kubernetes, Splunk, Postman, Grafana, CICD, Confluence, OracleSQLDeveloper, IntelliJ, Eclipse, Fortify, MicrosoftAzure, PivotalCloudFoundry, Maven

## PROFESSIONAL EXPERIENCE

**Software Engineer-2**                                                                                                          **Jun2022 - Present**

*Fiserv | Noida*

- **Secured application security** by integrating **Fortify** scans into **GitLab** workflow, proactively resolving critical vulnerabilities and reducing security risks by **75%** .
- **Engineered scalable data** streaming workflows integrating **Apache Kafka** with **Apache Flink** and **Spark** , improving settlement reporting system **reliability** by **40%** .
- **Architected HLD for event-driven microservices** processing **10M+ daily** transactions, optimizing resource **efficiency** by **30%** for **15+** 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.
- **Migrated production services** from **Java** 8 to **Java** 21, leveraging virtual threads and **Spring** reactive stack to improve application response time by **15%** .
- **Deployed and Managed** scalable **microservices** on **AWS** using **EC2** , **S3** , **Lambda** , **RDS** , and **CloudWatch** , with **automated CI/CD** pipelines.
- **Revamped the front** -end by converting legacy **HTML** , **CSS** , and **JavaScript** into a **React.js** and **Typescript** application, achieving a **40% performance** gain.
- **Architected and built** 15 new, scalable services with **Spring Boot** to serve a new tier of toolkit clients.
- **Resolved 135+ user** stories and 35 complex technical defects, improving service **reliability** and reducing user-reported issues by **60%** .
- **Engineered high-throughput** data processing pipelines using **Apache Spark** and **Apache Flink** , **orchestrated** via **Apache Airflow** and **DBT** .
- **Accelerated transaction dispute** processing to under **2 seconds** by **engineering** highly scalable back-end **microservices** using **SpringBoot** .
- **Achieved 90% code coverage** by implementing robust unit tests with **JUnit** , enhancing overall application **reliability** .

## EDUCATION

**B.Tech in Computer Science and Engineering**                                                          **Jun2018 - May2022**

*VelloreInstituteofTechnology Bhopal | India*

## PROJECTS

**Paddy Disease Detection System**

**Tech Stack: Java, XML, Firebase, YOLOv10, Tensorflow Lite**

- **Developed an Android** application using **Java** , **XML** , **Firebase** , **YOLOv10** and **Tensorflow Lite** that **identified** 3 common paddy diseases with **95% accuracy** .

**Detox**

**Tech Stack: Java, Android, YOLOv10, Firebase, ReactJS**

- **Constructed a smart** city waste management application using **Java** for Android, featuring a **YOLOv10** model for real-time garbage detection and reporting.

## ACHIEVEMENTS

- **Secured 1st place** among **500+** participants in **Fiserv** 's Secure Code Warrior competition.
- **Team's Best** Performer for 2024-25
- **Led a 10** -member Android team at Google Developer Student Club