**SOURAV SINGH**

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# PROFESSIONAL SUMMARY

Results-driven Backend Developer with 3+ years specializing in Spring Boot and Frappe Framework. Proven track record of architecting scalable microservices, implementing RESTful APIs, and building custom ERP integrations. Reduced API response times by 20% through optimization strategies and delivered workflow automation systems serving 7,000+ users. Expert in Java, Python, and modern DevOps practices with strong focus on clean code and system scalability.

# CORE COMPETENCIES

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| **Backend Technologies:**  Spring Boot, Frappe Framework, ERPNext, Spring MVC, Spring Data JPA  **Programming Languages:**  Java, Python, JavaScript  **API & Integration:**  REST API, Microservices, WhatsApp API, Swagger/OpenAPI, Custom Integrations | **Database Systems:**  MySQL, MariaDB, PostgreSQL, Redis  **DevOps & Tools:**  Docker, Git, Maven, CI/CD, AWS, Linux  **Best Practices:**  SOLID Principles, Design Patterns, Agile, TDD, Code Reviews |

# PROFESSIONAL EXPERIENCE

**Backend Developer**

**Clapgrow Technologies** *| May 2024 - Present*

* Architected Task & Workflow Automation System using Spring Boot microservices, serving 7,000+ users with 99.9% uptime
* Reduced API response time by 20% through Redis caching implementation and database query optimization
* Built 3 custom ERPNext integrations connecting Swagger/OpenAPI, Postman, and WhatsApp using Frappe Framework
* Executed CI/CD pipelines using Docker and automated testing, reducing deployment time by 60%
* Developed 25+ RESTful APIs with comprehensive documentation, error handling, and versioning following industry standards
* Applied SOLID principles and design patterns (Singleton, Factory, Repository) ensuring 80% code maintainability score

**Assistant Systems Engineer**

**Tata Consultancy Services** *| April 2021 - November 2022*

* Developed and maintained backend services for enterprise applications using Spring Boot and Spring Data JPA
* Deployed RESTful APIs and integrated third-party services enabling seamless data exchange between systems
* Achieved 60% test coverage using JUnit and Mockito, ensuring code quality and reliability
* Optimized database queries and enforced indexing strategies, improving application performance by 35%
* Collaborated in Agile teams, completing 30+ sprints with 95% on-time delivery rate

# EDUCATION & CERTIFICATIONS

**Bachelor of Technology in Computer Science**

Vishveshwarya Group of Institutions | 2016 - 2020

**Senior Secondary (XII) - CISCE Board**

Devprayag School, Prayagraj

**Secondary (X) - CISCE Board**

Central Modern School

# KEY ACHIEVEMENTS

* Reduced system deployment time from 2 hours to 30 minutes through automated CI/CD pipeline implementation
* Mentored 3 junior developers on Spring Boot and Frappe best practices, improving team velocity by 25%
* Architected scalable microservices handling 1M+ API requests daily with sub-300ms average response time