

SHIVANSHU KAPILA

Toronto, Ontario

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SUMMARY

Full Stack Software Developer with experience architecting and implementing scalable web applications using React, Vue, Python and Java. Led development of high-performance CRM platforms processing 2 million daily transactions with 99.9% uptime. Demonstrated expertise in optimizing database performance by 25% and implementing CI/CD pipelines reducing deployment time by 33%. Proficient in cloud architecture, microservices, and agile methodologies.

WORK EXPERIENCE

Royal Bank of Canada, Toronto, Canada
Co-op Full Stack Software Developer

*Sep 2024 – Dec 2024
& Jan 2024 – Apr 2024*

- Architected and implemented a microservices-based fraud detection system using Django and React enabling real-time identification and prevention of fraudulent activities.
- Developed a dashboard application using Django and Vue, visualizing over 19 unique event types and 200+ entities related to data loss prevention, insider threats, and other security concerns, improving monitoring efficiency by 30%.
- Optimized PostgreSQL database queries reducing response time by 25% through implementing indexing and caching strategies.
- Developed RESTful APIs handling ~500 requests/second using Django, improving system integration efficiency by 35%.
- Implemented CI/CD pipeline using Jenkins and Docker, reducing deployment time from 15 to 10 minutes.

Amdocs, India
Software Developer

Aug 2020 – Mar 2023

- Engineered high-performance CRM platform using Java and Spring Boot, handling 15,000+ concurrent users and ~5000 transactions per second.
- Designed and implemented microservices architecture for payment processing system, reducing system latency by 35%.
- Spearheaded bug resolution initiative using Sonar, eliminating 300+ critical issues and improving code quality metrics by 40%.
- Developed automated testing framework reducing QA cycle time, while maintaining 98% code coverage.
- Integrated multiple third-party APIs requests with 99.9% success rate.

Unilever, India
Data-Science Intern

Jan 2020 – Jun 2020

- Developed Python-based ETL pipeline, reducing processing time by 25% through optimized algorithms.
- Engineered 4 automation scripts using Python and Pandas, implementing parallel processing to handle 1 million records with 93% accuracy.
- Built REST API integration layer for ML models using Flask, enabling real-time data processing.

EDUCATION

Lambton College, Canada
Post Graduate Diploma, Full Stack Software Development

May2023 – Dec 2024

Thapar Institute of Engineering and Technology, India
Bachelor of Engineering, Computer Science and Electronics

Aug 2016 – Jun 2020

KEY SKILLS

Tools: Development Tools (Git, GitHub, Jenkins, Docker) • Cloud Platforms (Azure) • IDE & Editors (VS Code, PyCharm, Eclipse)
• Testing Tools (Jest, Pytest) • Project Management (JIRA, Confluence)

Technical Skills: Programming Languages (Python, Java, JavaScript, TypeScript) • Backend Development (Node.js, Express.js, Django, REST APIs) • Frontend Development (React.js, Vue.js, HTML5, CSS3, Tailwind) • Database Management (PostgreSQL, MongoDB, MySQL, Oracle) • System Design (Microservices, API Design, Cloud Architecture)

Soft Skills: Technical Leadership (System Design, Code Reviews, Mentoring) • Problem Solving (Algorithmic Thinking, Debugging, Optimization) • Development Practices (Agile, CI/CD, Test-Driven Development)