Abhishek Mittal

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Summary

Bilingual **Software Engineer (English & French)**, bringing over 4+ years of experience centered on **Backend Development**, **Frontend Design**, and **Cloud Technologies**. Detail and result-oriented, committed to deadlines and proactive approaches for reliability and scalability, seeking an opportunity to actively contribute towards company success.

Education

Concordia University — **Montreal, Canada**
Master of Science in Applied Computer Science — 2021 - 2023

Chitkara University — **Himachal Pradesh, India**
Bachelor of Engineering in Computer Science — 2016 - 2020

Work Experience

Software Engineer — **Montreal, Canada**
DigiRovers Solutions — **May 2023 - Present**

- Designed and implemented scalable **RESTful APIs** using **Java**, **Spring Boot** and **Node.js** in a microservices-based architecture, to support marketing automation and customer data processing.
- Integrated third-party APIs including **Mailchimp**, **Google Ads**, and **Facebook Ads** for automated marketing workflows.
- Optimized the system by resolving client defects and adding features through logic improvements and refactoring with lambdas and streams, reducing bug reports by 24% and increasing efficiency by 15%.
- Applied essential enhancements using **JWT** and **OAuth 2.0**, to strengthen security measures and eliminate potential vulnerabilities.

Software Developer — **Goa, India**
Rubiq Solutions — **Sept 2019 - July 2021**

- Led the design and development of microservices applications, generating $1.3 million, using **Java**, **Spring Boot**, **AWS**, **React**, and **NodeJS**.
- Increased system efficiency by 30% by designing scalable APIs with **Spring Boot**, **AWS Lambda**, and **other AWS technologies**, serving thousands of daily requests.
- Optimized containerization and deployment with **Docker** and **Kubernetes**, reducing deployment time by 30% and improving scaling efficiency by 20%.
- Applied **Agile Methodologies** including CI/CD, pull requests, code reviews, and testing (unit, load, stress and integration tests).

Software Engineer Intern — **Chandigarh, India**
Kabera Global Technologies — **May 2019 - Aug 2019**

- Implemented a messaging architecture with **Kafka**, improving microservices communication by 20%.
- Developed a secure messaging feature using **NodeJS** and **WebSocket**, enabling real-time communication.
- Refactored unit tests with **JUnit** and **Mockito**, increasing code quality by 28%.
- Contributed to code reviews, reducing page load times by 15% and documented processes for efficient knowledge transfer.

Projects

- **Apache Kafka Clone | Java, TCP Sockets, ByteBuffer**
  Built a Kafka broker clone handling metadata, message publishing, and topic message retrieval. Achieved 10,000 messages per second with sub-15ms latency for 95% of requests, demonstrating scalability and concurrency handling.
- **Career Services Platform | Java, Spring Boot, PostgreSQL, React, NodeJS**
  Led the development of a robust platform enabling employers to post job listings seamlessly, and candidates to browse and apply, capable of supporting 500+ simultaneous postings, accommodating 10,000+ active profiles, and handle 1000+ applications monthly.
- **Plagiarism Detection Program | Java, Dynamic Programming, Eclipse IDE**
  Designed a Java-based plagiarism detection program for source code files and text documents, achieving a 94% success rate in identifying instances of plagiarism. The program supports files with sizes up to 25MB, ensuring comprehensive coverage and accuracy.

Skills

Programming Languages: Java, JavaScript, C, C++, Python, SQL
Technologies & Tools: Spring, AWS, React, NodeJS, Apache Kafka, Docker, Kubernetes, Git, Jenkins, Figma
Databases: MongoDB, MySQL, PostgreSQL
Miscellaneous: Jira, JUnit, Mockito, Postman, Design Patterns, Agile/Waterfall Development, Microservices, Unit Testing, CI/CD, TDD, SDLC, REST, XML, JSON, MVC