John Smith

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Work Experience

Senior Software Engineer *Dec 2020 – Mar 2022*
Company Name City, Province
Enabled business analysts to track production processes through the development of new consolidated reporting dashboards.

- Designed and implemented a microservices architecture using Java, Spring Boot, and JPA resulting in a 50% reduction in application response time while increasing system scalability by 75%.
- Developed an event-driven architecture utilizing Kafka to improve data processing efficiency by over 60%, reducing the average query execution time from minutes to seconds
- Collaborated with cross-functional teams on Agile methodologies including Scrum and Kanban for requirement gathering/analysis resulting in successful delivery of multiple projects within budget constraints
- Built cloud-native applications utilizing AWS technologies such as S3 for storage solutions along with Lambda functions that reduced operational costs up to $100k per year
- Implemented Elastic Search within distributed systems built on Kubernetes clusters running in AWS EC2 instances, resulting in improved search functionality across multiple applications

Software Engineer *Dec 2017 – Dec 2020*
Company Name City, Province

- Worked with distributed systems building blocks (e.g., Kafka, Redis, Elastic Search) leading to an improvement of data processing speed from minutes down to seconds
- Refactored legacy systems to modern microservices architecture utilizing AWS technologies such as Kubernetes S3, SQS, Lambda DynamoDB IAM etc. This improved system performance by up to 40%
- Designed and implemented a microservices architecture using Java, Spring Boot, and JPA resulting in a 30% increase in application performance while reducing infrastructure costs by $50k per year
- Improved build automation process through implementation of Maven which reduced deployment time from hours to minutes saving approximately $20k annually on labor cost
- Leveraged AWS technologies such as S3, SQS, Lambda and DynamoDB for cloud-native development which resulted in higher scalability allowing the company's customer base growth rate increased by over 60%

Junior Software Engineer *Sep 2015 – Dec 2017*
Company Name City, Province

- Designed and developed a scalable backend API using Java, Spring Boot, Hibernate that increased system throughput by 20% while reducing latency by 15%
- Implemented OLAP databases like Snowflake to support complex analytical queries resulting in an average query response time of less than one second
- Developed batch applications using Maven build automation tool which reduced the overall processing time for large data sets from hours to minutes
- Utilized AWS technologies such S3, SQS, Lambda, DynamoDB, IAM etc. to design highly available distributed systems that resulted in over 99.9% uptime

Education

University Name *Jan 2015*
Bachelor of Science in Computer Science City, Province

Skills

Languages: Java, Javascript, Python
Frameworks: Maven, Gradle, Spring Boot, Django, Hibernate
Databases: PostgreSQL, Cassandra
Cloud Tools: AWS, Azure