Yash Sapra

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PROFESSIONAL SUMMARY

Backend Software Engineer with 3 years of professional experience. Proficient in building REST APIs and microservices using Java and Python on AWS and GCP in an Agile environment. Available to start immediately.

EDUCATION

Master of Science, Computer Science *(GPA: 3.88/4.0)*   *Graduation: May 2020*
University of Colorado at Boulder
- Lead Teaching Assistant (Managing a pool of 80 TAs and Course Assistants with 3 other leads)

Honors Bachelor of Applied Science, Computer Science *(GPA: 3.75/4.0)*   *Graduation: May 2016*
McMaster University, Hamilton, Ontario
- Teaching Assistant: Introduction to Programming

TECHNICAL SKILLS

- Java, Python, Rails
- Agile
- RESTful APIs
- AWS, GCP, CI/CD, Docker
- Micro-service architecture
- Hadoop, Spark, Kafka
- Git, SQL
- ETL, Data Engineering, ElasticSearch

PROFESSIONAL EXPERIENCE

Salesforce, USA (SalesforceDX cloud)   *May 2019 - Aug 2019*
Software Engineering Intern
- Wrote thread-safe Java code to query Splunk for 3MM+ records per day, map raw data to fields and concurrently upload the enriched data to Salesforce platform using the REST API
- Refactored code to decommission old SOAP based web service and reduced the code base by 20% by moving to a new architecture
- Wrote unit tests to have 100% code coverage on new code and setup CI/CD pipeline in Jenkins

Citigroup, Canada (CitiVelocity Trading Application)   *May 2016 - Aug 2018*
Software Engineer (Full-Time)
- Designed a REST API using Java and Spring to service export trade requests while handling asynchronous updates from order-fulfillment system
- Developed thread-safe, scalable api in Java to concurrently handle multiple requests with sub-second latencies
- Built a Cache Listener service to automatically update user preferences based on upstream updates using Observer design pattern thereby reducing the turnaround time by a day
- Actively participated in design discussions and requirements gathering with a focus on latency and scalability
- Wrote Unit tests and automated Integration tests to maintain at least 75% code coverage on all new features

Ford Motor Company, Canada   *May 2014 - Apr 2015*
Programmer Analyst Intern
- Designed a framework using Java and JDBC to run Stored Procedures in a test environment
- Remodel the SQL database to support multiple currencies and time zones and accommodate display changes (local time, currencies, symbols, etc.) to localize the application based on geo location

COURSE PROJECTS

- Developed a big data pipeline using Kafka and Spark to gather social media posts about real-time trending topics from Reddit and Twitter, perform sentiment analysis on their content, and store in ElasticSearch for use by front-end interface
- Analyzed an Amazon product review dataset using MongoDB and Spark to filter customer reviews into categories based on customer ratings using Spark RDD on a 4 node cluster