

Aryan Patel

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EDUCATION

University of Toronto

Honours Bachelor of Science, Computer Science & Statistics Co-op

Awards: Dean's List of Academic Excellence (2019 - 2021)

Sept 2019 – Apr 2023

cGPA: **3.74** / 4.0

TECHNICAL SKILLS

Languages: Java, Python, JavaScript, TypeScript, Ruby, C, SQL, HTML, CSS

Framework and Tools: Spring Boot, Angular, Git, Ruby on Rails, NoSQL (MongoDB, Firebase), Jira, Jenkins, Kafka, Apache Camel

Concepts: REST APIs, Agile Methodologies, GraphQL, Unit & Integration Testing, CI/CD

EXPERIENCES

GitHub | Software Engineering Intern

Sept 2021 – Dec 2021

- Pioneered the development of a CLI tool in Node.js allowing **1000s** of customers prepare repository migrations to GitHub
- Optimized version control fetching metrics by **80%** using concurrency and multithreaded API requests
- Built a custom mapper to export critical metrics into CSVs enabling customers to scope the cost of migration efforts
- Utilized **ETL** and **Fan-Out** processes to migrate GitHub Enterprise repositories to Github.com using Ruby on Rails, Twirp, and Sidekiq

The Royal Bank of Canada | Cloud Software Developer Intern

May 2021 – Aug 2021

- Contributed to a Real Time Payment application with Java, saving RBC **\$2 million** dollars from Interac annually
- Increased code coverage by **30%** by reworking regression tests, preventing redundant API setup calls to MongoDB
- Led the migration of **AWS** S3 to Vault for **10** applications in QA, development, and production environments, resulting in **40%** faster build time, and reducing reoccurring credential issues
- Developed and demoed the foundation of new routing services for Interac e-transfer with Spring Boot and Apache Camel, used by **millions** of concurrent users

University of Toronto | Software Design Teaching Assistant

Sept 2021 – Dec 2021

- Independently led weekly software design labs and tutorials to **20** upper year computer science students
- Assisted students with android studios infrastructure setup and mentorship throughout their assignments and labs
- Closely collaborated with assistants and instructors to plan out Object-oriented programming, Agile Scrum, SDLC, and SOLID design concepts

PROJECTS

UImpactify ([Website](#), [GitHub](#))

MongoDB / Express.js / Angular / Node.js / Jira

- An online learning and crowdfunding platform to provide accessible specialized education in the social purpose sector
- Spearheaded the design and development of user-based access control, creating courses & assessments, uploading student submissions, and user retention surveys

Spotify API Clone ([GitHub](#))

Java / Spring Boot / MongoDB / Neo4j

- Leveraged microservices for future extensibility and Java Spring Boot to develop a REST API that mimics Spotify
- Core features include creating a profile, following users, liking songs, playlist generation, and querying songs from followers

Mock Command-Line Interface ([GitHub](#))

Java / JUnit / Object Oriented Programming

- Built an isolated file system with an object-orientated representation of core shell commands, in an Agile Scrum of 3
- Achieved **100%** test coverage through **300+** JUnit tests, ensuring code maintainability and robustness
- Utilized singleton, and interface segregation software design patterns to minimize redundant code and improve extensibility