Aryan Patel

aryan.patel@mail.utoronto.ca | LinkedIn: aryanpatel | GitHub: AryPat | Website: arypat.me

EDUCATION

University of Toronto   Sept 2019 – Apr 2023
Honours Bachelor of Science, Computer Science (Co-op), Major in Statistics   cGPA: **3.74** / 4.0
Awards: Dean's List of Academic Excellence (2019 - 2021)

TECHNICAL SKILLS

Languages: Java, Python, JavaScript, TypeScript, Ruby, C, Go, SQL, HTML, CSS
Framework and Tools: Spring Boot, Angular, Git, NoSQL (MongoDB, Firebase), Jira, Jenkins, Kafka, Apache Camel, Azure
Concepts: REST APIs, Agile Methodologies, 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 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, DEV, and PROD environments, resulting in **40%** faster build time, and reducing the number of 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 2020 – Jan 2021
- Independently led weekly software design labs and tutorials to **20** upper year computer science students
- Closely collaborated with assistants and instructors to plan out the 4 primary concepts revolving around Object-oriented programming: Encapsulation, Data Abstraction, Polymorphism, and Inheritance
- Assisted students with android studios infrastructure setup and mentorship throughout their assignments and labs

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
- Collaborated in a team of **7** using Agile Development Framework and management tools such as Git and Jira to create a MEAN stack application with REST software architectural design

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
- Developed a Java based file system emulating core unix commands in an Agile Scrum of **3**
- Incorporated **300+** JUnit tests with **100%** test coverage to ensure quality code that exceeds the standards
- Utilized singleton, and interface segregation software design patterns to minimize redundant code and improve extensibility