Samyak Mehta

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EDUCATION

Honours Bachelor of Science September 2019 – December 2023 (Expected)

Computer Science and Statistics University of Toronto

Coursework: Engineering Large Software Systems, Design and Analysis of Data Structures, Functional Programming, Introduction to Software Engineering, Software Design, Software Tools and System Programming

SKILLS

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

Tools: Ruby on Rails, Sidekiq, Angular, React, MongoDB, Spring Boot, Firebase, PostgreSQL, Jira, GitHub, Figma, Docker

Concepts: RESTful APIs, Agile methods (Scrum), JUnit Testing, Unit and Integration Testing, CI/CD (Jenkins), Terraform

EXPERIENCES

Software Developer | Altus Group May 2023 – Present

- Developed and optimized SQL-based APIs, streamlining user validation, status checks, and event message processing
- Implemented efficient AWS Lambda functions, contributing to critical production updates and facilitating multi-environment testing
- Strengthened security measures with JWT token authentication and improved backend performance by optimizing user API calls
- Collaborated in the successful deployment of critical updates to production, demonstrating expertise in managing end-to-end backend development processes and ensuring the reliability of live systems

Full Stack Developer | Shopify May 2022 – Sept 2022

- Automated charge creations for various merchant-facing fees, streamlining the billing process and saving the billing ops team **25%** of their time in **Ruby on Rails**
- Revamped merchant facing UX by utilizing **graphQL** and **React**, creating a new UI and improving overall user experience
- Designed and implemented a new validation process in preparation for BFCM (Black Friday, Cyber Monday), resulting in smoother transactions for merchants and their customers

Software Developer | Cineplex Jan 2022 – April 2022

- Collaborated on the development of the LCBO Kiosk machine, implementing new features, updating content, and fixing bugs to enhance the user experience using **React** and **Electron**
- Integrated a map feature into the Kiosk, allowing users to easily locate individual store locations of products and improving overall usability in **React**
- Managed testing, quality assurance, and project scoping across different countries and languages, ensuring seamless communication

Open-Source Developer (MLH Fellowship) **|** **Meta** (formerly Facebook) February 2022 – April 2022

- Developed disjointed time buckets in **Python** and **Terraform** for clustering information together, useful for retro-actioning and viewing representative media (**Link**)
- Performed benchmark testing in **PyTest** and using **AWS Lambda** to maximize efficiency with minimal memory cost
- Created a custodian lambda for automating the HMA process over timed intervals, improving overall system automation

Full Stack Developer | OISE, University of Toronto March 2021 – Jan 2022

- Optimized the Firebase database by reducing queries by 60% in **React**, significantly improving database performance
- Leveraged **Google Cloud APIs** to capture, process, and analyze voice input using machine learning
- Developed IELTS training modules using **React**, utilized by over 400 international university students

PROJECTS

DrawHub (GitHub) ***Websocket / Amazon S3 / MongoDB / OAuth / NestJS***

- Created platform for multiple contributors to draw on canvas with real-time updates using NestJS and NX monorepo
- Notified contributors via email using Redis, Nest JS queues and SendGrid
- Implemented stitching functionality with identical behavior to GitHub's fork feature

UImpactify (GitHub) ***Angular / MongoDB / Jira / Agile / Express / Node.js***

- Developed eLearning platform using MEAN stack to battle lack of specialized education in social purpose sector
- Created user access control, managed courses/assessments, handled submissions/surveys for eLearning platform