

# Michael Pereira

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## EXPERIENCE

### Software Developer, IBM

Jun 2023 – present | Toronto, Canada

- Designed and implemented new features for a dynamic front-end application's payments and travel options pages using Angular, TypeScript, and Bootstrap CSS, enhancing user experience and functionality.
- Optimized and updated front-end accounts and transactions micro-apps for mobile responsiveness and design, leveraging Angular and TypeScript. Enhanced testing with Jest and deployed updates via CI/CD pipelines using Bitbucket and Jenkins, consistently exceeding code quality standards.
- Enhanced application performance and accessibility by optimizing components and services.
- Proactively resolved high-priority defects to ensure seamless user experience and adherence to project timelines.
- Collaborated with product owners, stakeholders, and cross-functional teams in Agile environments to translate complex requirements into actionable technical solutions, ensuring alignment and successful outcomes.

### Full-Stack Software Developer, Toronto Metropolitan University | MFI Lab

Jan 2022 – May 2023 | Toronto, Canada

- Developed a cross-platform user interface with Electron, React, TypeScript, NextUI, and Tailwind to control an advanced Arduino system for MRI sequence development and testing.
- Created a web platform for clinicians to upload OB-GYN-related DICOM files for advanced evaluation by custom machine learning models, integrating React, NextUI, TypeScript, and Tailwind on the client side, and Node.js, Express, Redis, and Passport on the server side. Leveraged AWS RDS for MySQL, ElastiCache, and EC2 for infrastructure.
- Developed a web platform enabling clinicians to upload surgeries for grading by surgeons and professors, using Nuxt, TypeScript, Buefy, and Ky for the client side, and Java, Spring Boot, and JWT for the server side. Leveraged AWS services, including DynamoDB, API Gateway, S3, and EC2, to create a scalable and reliable cloud infrastructure.

### Full-Stack Software Developer, Floatt

Nov 2022 – May 2023 | Toronto, Canada

- Built a dynamic dashboard with React, TypeScript, Tailwind, and Chart.js, providing a user-friendly interface for client analytics.
- Developed middleware with TypeScript, Express, and Redis to integrate Airtable APIs, streamlining data access.
- Collaborated directly with clients to gather requirements, address feedback, and provide project updates, ensuring high satisfaction and seamless delivery.
- Utilized project management tools like Jira to prioritize tasks, coordinate with the team, and ensure timely dashboard deployment.

### Full-Stack Software Developer Intern, IBM

Jan 2022 – Aug 2022 | Markham, Canada

- Developed a client application leveraging React Native, TypeScript, and IBM's Carbon Design System with Cognos Analytics services.
- Collaborated with cloud and full-stack developers, QA engineers, and designers to deliver features and enhancements.
- Released high-quality updates with bug fixes and new features for both Apple's App Store and Google's Play Store.
- Led the revamp of e2e test structures and spec files, improving testing efficiency and coverage.

### Full-Stack Software Developer Intern, CaseWare International

May 2021 – Aug 2021 | Toronto, Canada

- Contributed to the maintenance and development of new features for an accounting software suite, leveraging full-stack technologies including Angular, TypeScript, Spring, Java, C#, and AWS.
- Created and executed migration scripts for data handling with MSSQL and MongoDB.
- Designed effective user interfaces with CaseWare's Nova CSS framework, enhancing usability and aesthetics.
- Consistently exceeded sprint deadlines for bug fixes and features, earning client and stakeholder recognition.

## EDUCATION

### Bachelor of Science in Computer Science (Honours),

Sep 2018 – May 2023 | Toronto, Canada

Toronto Metropolitan University

Undergraduate Research Assistant within the MFI Lab as a Full-Stack Developer.

## SKILLS

- **Languages:** Proficient: Typescript/Javascript, Java | Familiar: Python, Bash.
- **Frontend Frameworks:** Proficient: React, Tailwind, NextUI, Bulma, Vue | Familiar: Angular.
- **Backend Frameworks:** Proficient: Node.js, JWT, Passport.js, Redis, Swagger, REST APIs | Familiar: GraphQL.
- **Databases:** Proficient: DynamoDB, MySQL, MongoDB | Familiar: DocumentDB, PostgreSQL.
- **Servers:** Proficient: Express, NestJS, EC2 | Familiar: Spring Boot, AWS Lambda.
- **Software:** Proficient: AWS, Git, JIRA, Docker, Jenkins, Linux | Familiar: Figma, OpenShift, NewRelic.
- **Architecture:** Proficient: SPA, Microapp, Microservice, Monolithic Repositories.