

Raghav Bobal

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[Personal Website](#) | [LinkedIn](#) | [Github](#)

Professional Summary

Software Developer with 4+ years of experience at Bank of Montreal (BMO), specializing in large-scale online banking platforms, UI engineering, and enterprise security remediation. Proven track record of building production-grade user interfaces from scratch, leading vulnerability remediation initiatives across multiple pillars, and collaborating closely with stakeholders in Agile environments. Strong experience in Angular, secure coding practices (SAST/SCA/CodeQL), CI/CD pipelines, and accessibility-compliant frontend systems.

Technical Skills

Frontend & UI Engineering

- Angular
- React.js
- JavaScript
- TypeScript
- HTML5
- CSS3
- Accessibility & Unit Testing

Security & Quality

- SAST
- SCA
- CodeQL
- SonarQube
- Vulnerability Remediation
- Dev Gating
- Secure Coding

DevOps & Tooling

- CI/CD Pipelines
- Git
- Jira
- Agile/Scrum
- VS Code
- Android Studio
- X-Code

Backend, APIs & Mobile

- Node.js
- RESTful APIs
- Android Development
- iOS Development
- MySQL

Professional Experience

Bank of Montreal (BMO) | March 2022 – Present

Software Developer, Full Time

Wire Services UI

Role: Software Developer

- Designed and developed the Wire Services user interface from scratch for BMO's Online Banking platform.
- Implemented end-to-end UI features including form flows, validations, and state management.
- Wrote comprehensive unit tests and accessibility tests to meet enterprise and regulatory standards.
- Delivered production-ready code following BMO's security, performance, and coding standards.
- Collaborated with QA, backend teams, and business stakeholders throughout the development lifecycle.

Secured Shield Services (SSS) – Platform Security

Role: Software Developer & Interim Product Owner

- Played a key role in identifying, prioritizing, and remediating vulnerabilities across all Online Banking (OLBB) pillars.
- Led and contributed to the remediation of ~1,800 vulnerabilities in collaboration with cross-functional teams.
- Acted as interim Product Owner, managing backlog, sprint planning, and stakeholder communication.
- Coordinated monthly production go-lives and sprint demos with security, platform, and business stakeholders.
- Drove Dev Gating initiatives to ensure security compliance before releases.

Team Rangers – OLBB Lite

Role: Software Developer

- Part of an Agile team responsible for building OLBB Lite from scratch.
- Worked as a UI developer using Angular 7, delivering features in bi-weekly sprints.
- Actively participated in sprint planning, estimation (story points), and retrospectives using Jira.
- Collaborated with three backend and platform teams to ensure seamless integration.
- Presented monthly progress updates and demos to senior stakeholders.

Platform Security & Quality Enablement

Role: Software Engineer - Security & Quality

- Updated multiple repositories to ensure CodeQL compliance for automated vulnerability scanning.
- Fixed failing SonarQube pipelines by resolving code quality, coverage, and build issues.
- Remediated repositories that were non-compliant with SAST/SCA standards.
- Improved unit test coverage visibility and reporting across multiple projects.

Lambton College | September 2021 - December 2021

Research Student, Part Time

- Developed an insurance claims management system enabling users to submit claims and track claim status.
- Implemented role-based dashboards for three user types with secure access controls.
- Integrated an external system to securely exchange encrypted, confidential data with OHIP for administrative workflows.

Beacontree Technologies | April 2021 - August 2021

Software Developer, Intern

- Built a custom ERP inventory management system with RFID, QR code, and barcode support using React.js and Node.js.
- Developed an asset tracking system enabling self check-in/check-out for library items.
- Enhanced and optimized existing software to improve performance and hardware compatibility.

Projects

Bobal, the language learning app

- Built and published an Android English-learning app using flashcards, articles, and speech evaluation.
- Implemented grammar and fluency scoring using text-to-speech.
- Integrated Selenium-based article retrieval for GRE/IELTS vocabulary.
- Tech stack: Android Studio, RxJava, RxAndroid, Python, Scrapy, Apache Solr, Volley, Jira. [Check out the landing page](#)

Bobal, a website to discover sporting venues and activities

- Developed a web platform for booking sports facilities and hosting sports events. [Check it out](#)
- Enabled venue discovery by sport, location, or venue name.
- Implemented role-based access for players and venue owners with booking and event hosting features.
- Built using JavaScript and Firebase Database in Visual Studio Code.

Navigate - A Car Renting System

- iOS app for renting vehicles and hiring drivers.
- Users can be customers, car owners, or drivers.
- Owners list vehicles; customers can rent and optionally book a driver.
- Rental and driver fees are calculated based on kilometers traveled.
- Used: X-Code, Swift, Core Data. [Click here to know more](#)

Google Search Engine Clone

- Built a search engine using the Google Custom Search API with real-time results.
- Implemented a custom React hook to manage webpage state and actions.
- Deployed the application using Firebase Hosting.
- Technologies used: React.js, React Hooks, React Router, Material UI, Firebase, Context API, Google Custom Search API

Educational History

Lambton College | January 2020 - August 2021

Post Graduate Diploma in Mobile Applications Design and Development

SRM University | August 2015 - July 2019

Bachelors of Technology in Computer Science

Certifications

- AWS Serverless – Knowledge Badge (2025)
- AWS Events & Workflows – Knowledge Badge (2025)

Additional Information

- Strong experience working in regulated, security-critical environments.
- Comfortable owning features end-to-end, from requirements to production.
- Excellent communication skills with both technical and non-technical stakeholders.