

Marcus Chok

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SKILLS

Languages: TypeScript, JavaScript, C#, HTML, CSS/SCSS, C++, Java, SQL
Libraries and Frameworks: React, ASP.NET Core, Next.js, Express, Redux, Angular, Spring Boot
Tools and Technologies: Git, Node.js, Google Cloud Platform, Microsoft Azure, Docker, GraphQL

EXPERIENCE

GSoft (ShareGate) | Full Stack Developer Intern Montreal, QC
TypeScript, React, Next.js, Playwright, C#, ASP.NET Core, MongoDB, Azure, Rider Jan 2023 – Apr 2023

- Developed features for the End-User App to display meeting recordings and assign users as points of contact
- Augmented services using retry policies with exponential backoff, decreasing request failure rate by 10%
- Designed fakes for external APIs to facilitate testing and development, reducing developer friction by 30%
- Improved error handling by implementing feature-scoped error boundaries and end-to-end smoke tests using page object models, increasing the mean time between failures by 25% and reducing downtime by 10%

Ford Pro™ | Software Engineer Intern Oakville, ON
TypeScript, React, Jest, Express, MySQL, Docker, Terraform, Tekton, GCP, VS Code May 2022 – Aug 2022

- Leveraged Ghost to prototype a WYSIWYG editor and blog that adheres to WCAG 2.0 Level AA standards
- Created a CI/CD pipeline with Tekton to automate testing/deployment, decreasing throughput time by 40%
- Enhanced pipeline security with Checkmarx, SonarQube, and Fossa, eliminating 90% of vulnerabilities
- Contributed 5 components to company-wide library with Storybook integration and 100% test coverage

TRIYO | Full Stack Developer Toronto, ON
JavaScript, React, Redux, C#, ASP.NET MVC, xUnit, Moq, SQL Server, Visual Studio Sep 2021 – Dec 2021

- Implemented dynamic dashboard widgets and designed web services to aggregate data from multiple tables
- Refactored state management logic to cache/centralize changes to user data, lowering database load by 50%
- Spearheaded cross-team collaboration initiatives in an Agile environment, reducing bugs reported by 30%
- Optimized LINQ queries to a cloud-based SQL Server instance to decrease network latency by 66%

PROJECTS

Listen and Go | *TypeScript, Angular, Apollo, C#, Entity Framework Core, GraphQL* Apr 2021 – May 2021

- Engineered an accessible audio player using Angular Material to play YouTube playlists and songs
- Proxied HTTP requests to the YouTube API and used .NET Core Identity to ensure data confidentiality
- Optimized data throughput by migrating REST API to GraphQL, decreasing loading times by 15%

Unified Chat | *TypeScript, Angular, Bootstrap, Java, Spring Boot, Spring Web* Mar 2021 – Apr 2021

- Created a real-time chat using WebSocket and modelled message data using Spring Data JPA and Hibernate
- Improved security by leveraging Auth0 and Spring Security to authenticate users and validate access tokens
- Divided features into separate Angular modules to improve maintainability and increase performance by 5%

EDUCATION

University of Waterloo

Candidate for Bachelor of Computer Science

Sep 2020 – Apr 2025 (Expected)

- GPA: 3.91, CAV: 90.28% (Term Distinction: Fall 2020 – Fall 2022)