

# Marcus Chok

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## SKILLS

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**Languages:** TypeScript, JavaScript, C#, HTML, CSS/SCSS, C++, Java, SQL, Python  
**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, Firebase

## EXPERIENCE

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**OANDA** | Full Stack Web Developer Intern Toronto, ON  
*TypeScript, React, Material UI, Cypress, Python, Pyramid, Django, Firebase, GoCD* Sep 2023 – Dec 2023

- Designed thread-safe logging timers to enable endpoint response time tracking and visualization in Splunk
- Developed UI/UX improvements and facilitated A/B tests using Firebase, increasing conversion rates by 10%
- Implemented input masking and reset functionality for all form fields, reducing abandonment rates by 20%
- Optimized pipelines and reworked extraneous jobs, decreasing deploy times by 60% and saving \$500/month

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

- Architected Teams App enhancements 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 CQRS handlers 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 mean time between failures by 25% and reducing mean downtime by 20%

**Ford Pro™** | Software Engineering 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
- Architected 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

**TRIYO** | Full Stack Developer Intern 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 MSSQL Server instance to decrease network latency by 66%

## PROJECTS

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**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

## EDUCATION

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**University of Waterloo**  
*Candidate for Bachelor of Computer Science* Sep 2020 – Apr 2025 (Expected)

- GPA: 3.91, CAV: 90.33% (Term Distinction: Fall 2020 – Spring 2023)