

# Justin Chhay

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## TECHNICAL SKILLS

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

**Frameworks & Libraries:** ReactJS, Redux, Node.js, Express.js, NextJS, Express, .NET, TailwindCSS

**Developer Tools:** Git, PostgreSQL, SQL Server, Jenkins, AWS, MongoDB, Firebase, Docker, DataDog

## EXPERIENCE

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### Software Engineer Intern

Jan 2025 – Apr 2025

*Relay Financial*

*Toronto, ON*

- Built a mobile push notification backend with **Node.js**, **Sequelize** (database sync), and **Segment** (event tracking), and integrated **Iterable API** for marketing subscriptions, delivering **7,000+** successful first-funding notifications
- Developed a secure organization invite system incorporating **middleware-enforced** email verification, leveraging **TypeScript**, **Redux sagas**, React, API polling to track status updates; now the **standard onboarding process for all Relay-invited users**
- Improved user onboarding experience for new business owners by optimizing forms, fixing routing and registration errors, contributing to a **21% increase** in user registrations and reducing drop-off at key pain points
- Streamlined account funding wire transfer flow for business owners using Redux and **ReactJS**, helping drive **25,000+** funded Relay user accounts by Q1

### Software Engineer Intern

May 2024 – Aug 2024

*Elbe AI*

*Toronto, ON*

- Designed Virtual File System for an M&A copilot application, leveraging **TypeScript**, **Firestore** and REST APIs/custom React hooks to implement advanced file permission management and streamline user workflows
- Built and optimized front-end UI features for performance-intensive **ReactJS** components through code reviews and design meetings, improving overall user experience
- Engineered deal report generator using jsPDF, reducing manual tasks and enhancing workflow for clients

### Software Developer Intern

Sep 2023 – Dec 2023

*Cineplex Entertainment LP*

*Toronto, ON*

- Spearheaded replacement of Cineplex's existing multi factor authentication solution by implementing **OAuth 2.0** protocols and user authentication through Keycloak in ReactJS and TailwindCSS web app
- Resolved **C#** back-end and **SQL** database issues, enhancing system reliability and preventing data issues
- Deployed several CI/CD pipelines for B2B media applications, saving **6 hours** weekly for developer team

### Full Stack Developer Intern

Jan 2023 – Apr 2023

*Texada Software (formerly Uptake)*

*Mississauga, ON*

- Built new UI features for flagship fleet dealer sales app serving **20,000+ users** using TypeScript and C#
- Leveraged **SQL Server** profiler & Chrome DevTools to pinpoint & resolve **ASP.NET** & **JavaScript** front-end UI bugs, improving company flagship quoter application performance by **15%**

## PROJECTS

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### 🎧 SpotifyGuessr | *ReactJS, TailwindCSS*

- Implemented **ReactJS components and hooks** alongside **TailwindCSS** styling to develop a time-based music game based on user's Spotify data
- Integrated **Spotify API & Playback JavaScript** libraries to retrieve user playlists and playback audio in-game

### 🎧 Coronavirus Statistics API Discord Bot | *Python*

- Leveraged **Python Discord API wrapper** and Coronavirus statistics **API** to retrieve data and display real-time Covid-19 statistics for each country based on user inputs

## EDUCATION

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### University of Waterloo

Sep 2021 – Apr 2026

*Bachelors of Computer Engineering Coop (Honours)*

*Waterloo, ON*

**Relevant Courses:** Data Structures & Algorithms, Networks, Databases, Operating Systems