

# TRISTAN PARRY

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## TECHNICAL SKILLS

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**Languages:** Python, Java, JavaScript, TypeScript, C, C++, HTML, CSS, SQL, Kotlin, PowerShell, PHP

**Frameworks/Environments/Libraries:** React, Vue, Spring Boot, jQuery, Node.js, Angular, Express, Cypress

**Tools:** Git, Jira, Bitbucket, Docker, Jenkins, Sonatype, Datadog, Sonarqube, MongoDB, Postgres, Firebase, Figma

## EXPERIENCE

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### PointClickCare

Jan. 2024 – Apr. 2024

Full Stack Developer

Mississauga, ON

- Implemented software changes across 6 services to support LTPAC products with >60% Skilled Nursing market share
- Adapted backend DTOs/API to achieve a 100% success rate in transmitting NPIs to Redox, from a previous 28%
- Remodeled frontend store/state management using Pinia to upgrade Carequality application to Vue 3 standard
- Wrote unit tests and automated test suites using Cypress to conserve a Sonarqube code coverage score above 90%
- Resolved security violations using Sonatype build reports to maintain 0 vulnerabilities across various microservices
- Overhauled inbound data service's dependencies by updating Spring Boot version to ensure service maintainability
- Created 5 monitors via Datadog to enhance app visibility and metric automation across demo/production environments
- Communicated with product/UX teams using Figma to develop frontend for asynchronous facility enablement service
- Led biweekly software demo sessions with engineering/product teams to discuss and solidify end-to-end changes

**Tools:** Java, TypeScript, JavaScript, SQL, Kotlin, Spring Boot, Vue, Cypress, Jenkins, Datadog, Sonatype, Sonarqube, Figma

### Amdocs

May 2023 – Aug. 2023

UI Developer

Toronto, ON

- Directed full remodel for frontend API calls using React Redux to lower corporate traffic by 10+ seconds per network call
- Implemented report functionality in partnership management app to deliver corporate lifecycle metrics for 100+ partners
- Utilized React/Material UI in developing 5 graphical components to fulfil mockups for Amdocs's proprietary software
- Completed AWS workshops using Sagemaker/CodeWhisperer to design serverless Lambda functions with generative AI
- Coordinated with backend/management teams to perform regular Jira groomings and revise commercial business logic

**Tools:** JavaScript, Typescript, React, Redux, Figma, Material UI, Git, Jira, Bitbucket, Confluence, AWS

### LCBO|next

Sep. 2022 – Dec. 2022

Full Stack Developer

Kitchener, ON

- Developed LED product tag flash functionality using a specialized API for 4,000+ products at the LCBO's flagship store
- Built the LCBO Service Template using PostgreSQL/React to facilitate future app startup with user authentication routes
- Implemented over 60 changes in the LCBO's Grocer Claims app to improve usability and introduce new client features
- Managed Azure/Bitbucket repositories to maintain production applications and update the LCBO's live software
- Coordinated with various LCBO divisions via email and meetings to schedule app testing and deployment windows
- Oversaw business relations with exterior partner Danavision to design the LCBO's LED product tag technology

**Tools:** Typescript, SQL, React, Azure DevOps, Figma, Git, Jira, Bitbucket, Confluence

### Polaris Intelligence, Inc.

Jan. 2022 – Apr. 2022

Full Stack Developer









Toronto, ON

- Developed the Polaris Trend Analysis module using React/Plotly.js to delineate historical Canadian census data
- Employed Jira to solve over 70 bugs in the Polaris Intelligence platform and improve cross-browser compatibility
- Collaborated with senior developers using the Agile framework to facilitate the production of data mining software
- Orchestrated company meetings for Polaris Intelligence's codebase architecture and programmatic practices
- Attracted RBC as a client through pioneering the Trend Analysis module and resulting in a potential partnership

**Tools:** JavaScript, PHP, React, jQuery, Plotly.js, Git, Jira, Bitbucket, Confluence


## PROJECTS

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-  **FoodFind** | *JavaScript, HTML/CSS, MongoDB, Express, React, Node.js* Jun. 2021 - Jul. 2021
- Developed a MERN Stack app to display proximal restaurants and grocery stores to a user's location
  - Produced core functionality for location-based API fetching, using the Mapbox API and custom styling
  - Built an Express server with various routes and a Mongoose schema to execute user GET, POST, and PUT requests
  - Utilized conditional rendering to promote FoodFind account security and a robust user experience
-  **Multility** | *Java, Android Studio* Jun. 2020 – Sep. 2020
- Developed a mobile Android application using Java/Android Studio to house multiple utilities
  - Implemented tip calculator, stopwatch, notepad, password generator, fact generator and news page Android fragments
  - Led a team of 6 to organize development deadlines and app completion targets
  - Published the application to the [Google Play Store](#) gaining an average 4.8/5-star review
-  **BetterBanking** | *Java, MongoDB, Swing* May 2021 – Jun. 2021
- Produced a banking application containing fully functional chequing, saving, and investment accounts
  - Generated a polymorphism-based object structure to truncate 48% of the application's account code
  - Incorporated Swing to build an interactive banking portal for user registration, login, and account operations
  - Utilized a MongoDB Atlas cluster to save and manipulate user profiles and banking accounts
-  **RapidKeys** | *TypeScript, HTML/CSS, Angular, Node.js* Aug. 2021
- Created an Angular application to measure a user's real-time typing speed, errors, and accuracy
  - Utilized the RxJS library to share TypeScript functions between components as Observables
  - Dynamically updated state and markup using the ngFor directive and HTML inline event handlers
  - Deployed to Firebase with the Angular CLI, and achieved a 100% "Best Practices" rating in Chrome audit
-  **Resonate** | *C++, JUCE* Jan. 2022
- Developed a reverb VST using the dsp::Reverb class for manipulation in any major Digital Audio Workstation
  - Implemented audio processing functionality for reverb damping, size, width, wet/dry parameters
  - Constructed VST plugin interface using the JUCE framework with dynamic colour sliders and value labels
  - Maximized user efficiency with the juce::AudioProcessorValueTreeState class to integrate XML parameter recall
-  **CodeCompose** | *JavaScript, HTML/CSS, MongoDB, Express, React, Node.js* Jan. 2022 - Feb. 2022
- Designed an online code editor using the MERN Stack for front-end web development (HTML/CSS/JS)
  - Created editor functionality using CodeMirror components and the js-beautify formatting library for writing code
  - Implemented an auto-updating <iframe> using setTimeout() and React hooks to render a webpage of a user's project
  - Formed registration and login features with MongoDB to allow for account project saving
-  **Personal Portfolio** | *JavaScript, HTML/CSS* Jul. 2021 – Aug. 2021
- Designed and developed a personal portfolio to showcase my projects, education, and contact details
  - Implemented an API request to retrieve my GitHub repositories, and return HTML elements from the JSON response
  - Integrated CSS flex and grid displays to produce a responsive website for mobile and desktop platforms
  - Published to [GitHub Pages](#) as a public site, also including keyframes and transitions for a pleasing user experience
-  **Morse Code Hangman Game** | *C, STM32 Nucleo-64 Microcontroller, PlatformIO* Sep. 2021 – Dec. 2021
- Developed functionality for entering and reading morse code in a hangman-style game format, using PlatformIO
  - Interfaced with microcontroller, 16x2 parallel LCD, and active low-level trigger buzzer to facilitate visual and auditory I/O

## EDUCATION

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-  **University of Waterloo** Sep. 2021 – Apr. 2026  
*Bachelor of Applied Science – Computer Engineering, Co-op (Honours)* Waterloo, ON