

TRISTAN PARRY

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TECHNICAL SKILLS

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

-  **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
 - Created 5 monitors via Datadog to enhance app visibility and metric automation across demo/production environments
 - Overhauled inbound data service's dependencies by updating Spring Boot version to ensure service maintainability
 - 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
 - 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

-  **FoodFind** | *JavaScript, HTML/CSS, MongoDB, Express, React, Node.js*
 - 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
-  **Multitily** | *Java, Android Studio*
 - 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*
 - 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*
 - 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*
 - 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*
 - 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*
 - 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*
 - 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



University of Waterloo

Bachelor of Applied Science – Computer Engineering, Co-op (Honours)

Sep. 2021 – Apr. 2026

Waterloo, ON