

TRISTAN PARRY

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TECHNICAL SKILLS

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

Frameworks/Environments: React, jQuery, Angular, Git, Docker, MongoDB, PostgreSQL, Express, Node.js, Heroku, Firebase

EXPERIENCE

UI Developer

May 2023 – Aug. 2023

Amdocs

Toronto, ON

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

Full Stack Developer

Sep. 2022 – Dec. 2022

LCBO|next

Kitchener, ON

- Developed product tag LED flash functionality using a specialized API to indicate pickup products at the LCBO's HQ 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

Full Stack Developer

Jan. 2022 – Apr. 2022

Polaris Intelligence, Inc.

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

PROJECTS

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 $\approx 48\%$ 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

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

EDUCATION

University of Waterloo

Sep. 2021 – Apr. 2026

Candidate for Bachelors of Applied Science – Computer Engineering (Honours)

Waterloo, ON