

Charles Ata

profile

I'm a Software Developer with a background as an Electrical Engineer within a broad range of industries. Motivated by my passion for self-improvement, and building great things, I'm constantly inspired to learn more about the capabilities and advancements of software development to strategically and creatively solve problems.

experience

Software Developer

Rogers Communications
Oct 2022 - Present

Tech Stack: Angular (v12+), TypeScript, HTML, SCSS, Contentful, RxJS, NgRx - Associated with Rogers for Business & internal Rogers applications (RB CareView)

- Implement new components, routes, services, features and upgrades related to Angular & CDKs
- Manage application state through NgRx and RxJS
- Develop API calls to internal analytics based on user events.
- Responsible for software maintenance across the codebase
- Maintain compliance with Web Content Accessibility Guidelines (WCAG) and apply W3C web standards
- Leverage SEO strategies with SSR in Angular Universal and optimize code to ensure application complies with search engine guidelines and maximize organic traffic
- Create and modify unit tests for Angular components using Jest
- Support business and marketing units by improving dynamic content between Contentful and the codebase
- Ensure accuracy of technical documentation through regular updates and revisions
- Analyze & research Agile Spike stories in order to assess outcomes and provide solutions
- Wrote Batch scripts to automate tasks on remote servers, including the creation of 110+ new users into Salesforce through dataloader.io.
- Led a POC to synchronize metadata between Salesforce and Collibra.
- Was the prime developer of a POC assessing the implementation of Salesforce Security Center into production.







Associate Instructor & Teaching Assistant

General Assembly
Oct 2021 - April 2022

Technologies taught: HTML, CSS, JavaScript, Node.js, Express, React, Python, Django, MongoDB, PostgreSQL

- Worked with students to deliver 4 major projects over 12 week cohorts - through wireframes, ERDs, pseudocode, and overall support to achieve goals
- Instructed lessons and walked through daily coding challenges.
- Supported students by performing code reviews, debugging, and answering questions to meet learning objectives.

contact

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education

Software Engineering Certificate

General Assembly

2021

Bachelor's of Engineering (Honours) Electrical Engineering

University of Ontario Institute of Technology

2017

proficiencies


- **Programming** - Angular, TypeScript, JavaScript, HTML, SCSS, CSS, Jest, Contentful, React.js, Node.js, Express, MongoDB, Python, Django, PostgreSQL, Git, GitHub, Heroku, Jira, Confluence, Trello
- Knowledgeable in Project Management, Computer Architecture, Software Troubleshooting & Debugging, Testing Concepts, Agile & Waterfall Development Methodology
- **Bilingual** - excellent verbal & written communication skills in English and French

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experience - cont.


Electrical Design Engineer

Tetra Tech
Jan 2020 - Jan 2021

- Led large-scale designs for a [Molybdenum-99 Isotope Transfer Delivery System](#) 

Project Engineer

Honda of Canada Mfg.
Sept 2017- Dec 2018

- Successfully secured authorization for [multi-million building expansion](#) 

Reliability Engineer Intern

Alectra Utilities
Aug 2015- Aug 2016

projects

Paway

- While on a team of 5 as part of a “Collab-athon” with 3 UI/UX designs and 2 Developers, created a MERN-Stack web application for lost and found pets.
- Allowed account-less users to search and filter through pet postings, users that sign-up for an account are able to report a missing or found pet.
- Utilizing Imgur API for image uploading, Google Maps APIs for dynamic mapping and geocoding, React Share API for Facebook, WhatsApp, Twitter posts, and Nodemailer JS for email notifications.
- API testing of JSON responses took place through Postman.

- MongoDB • React
- Express • Javascript
- Node.js • HTML
- CSS • MaterialUI
- Bootstrap • AJAX
- Postman

Workoutify

- Collaborated within a team of 2 to create a Full-Stack Django workout scheduling application.
- Allowed users to CRUD exercises and workouts to track workout dates.
- Incorporated OpenWeatherAPI for location based daily weather.
- Implemented AJAX for dynamic, asynchronous rendering to provide a SPA feel.

- PostgreSQL • HTML
- CSS • Materialize
- JavaScript • Python
- Django • AJAX

NeedSomeSpace

- Created a space-themed RESTful MEN-stack CRUD Application.
- Leveraged OAuth API for Gmail login, Imgur API for image uploading, & NASA API for NASA's APOD.
- Utilized Trello for tracking user stories, ice box items, and MVP progress.
- Wireframed and planned the UI design of the application, as well as ERDs for NoSQL Schema layouts.

- MongoDB • HTML
- CSS / SASS • Materialize
- JavaScript • Node.js
- Express

Blackjack

- Created a browser-based card game using Javascript, CSS, HTML, providing visuals to the game and sound effects to create an interactive experience.
- Developed through functional programming and test-driven development processes.
- Wireframed and planned UI design of the application.
- Utilized Git control during the production of the application with frequent commits until deployment.

- HTML • CSS
- JavaScript