

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

Senior Software Developer

Rogers Communications
Jan 2024 - Present

- Spearhead front-end development for Rogers' Careview internal application, acting as the primary support for the Subject Matter Expert (SME).
- Direct the architecture design for Contentful (CMS) environments.
- Conduct comprehensive code reviews to ensure high-quality standards.
- Facilitate smooth deployment processes to production environments.
- Mentor and guide the professional development of junior developers.

Software Developer

Rogers Communications
May 2022 - Dec 2023







- Tech Stack: Utilize Angular (v12+), TypeScript, HTML, SCSS, Contentful, RxJS, NgRx, Nx/js, NodeJS, Jest, Jasmine, and Karma in projects for Rogers for Business [🔗](#) and internal Rogers applications (RB CareView).
- Design and implement new Angular components, routes, services, features, and system upgrades.
- Manage application state effectively using NgRx and RxJS.
- Develop APIs for analytics (Adobe & Google), authorization, authentication, and various application features.
- Maintain and enhance software integrity across the codebase, integrating with Sonarqube for continuous quality checks.
- Ensure compliance with Web Content Accessibility Guidelines (WCAG) and W3C web standards.
- Implement SEO strategies using Server-Side Rendering (SSR) with Angular Universal, optimizing the code for search engine compliance and improving organic traffic.
- Manage Dev and QA environments and facilitated deployments via Azure Pipelines, monitoring with Dynatrace.

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
- Supported students by instructing, 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, Jasmine, Karma, Azure, Jenkins, Sonarqube, Dynatrace, Akamai, 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