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

Front End Developer
Rogers Communications
Oct 2022 - Present

Tech Stack: Angular (v12+), TypeScript, HTML, SCSS, Contentful - associated with Rogers for Business 🔗
- Implement new components, routes, features and upgrades related to Angular & CDKs
- Responsible for software maintenance across the codebase
- Maintain compliance with Web Content Accessibility Guidelines (WCAG) and apply W3C web standards
- Leverage SEO strategies 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
- Analyze & research Agile Spike stories in order to assess outcomes and provide solutions

Data Cloud Developer
Rogers Communications
May 2022 - Oct 2022
- 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 🔗
General Assembly
Oct 2021 - April 2022
- Instruct lessons and walk through daily coding challenges.
- Support students by performing code reviews, debugging, and answering questions to meet learning objectives.

Electrical Design Engineer
Tetra Tech
Jan 2020 - Jan 2021
- Led large-scale designs of cable tray and class III power tie-ins for a Molybdenum-99 Isotope Transfer Delivery System 🔗 in collaboration with Tetra Tech, OPG, and BWXT.
- Prepared technical calculations, design drawings, engineering change documents, and bill of materials for multiple projects.

Project Engineer
Honda of Canada Mfg.
Sept 2017- Dec 2018
- Successfully secured authorization for multi-million building expansion 🔗 by conducting thorough risk assessment and mitigation planning.
- Responsible for project management, equipment efficiency initiatives, coordinating across multiple departments to meet timelines, budgets, and success indicators.

contact

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- github.com/CharlesAta
- 🌐 charlesata.dev

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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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

Raspberry Pi Smart Home Controller

- Developed a Smart Home Controller using Python, Raspberry Pi, linear & non-linear loads as a final capstone project for B.Eng.
- Collaborated within a team of 4 to implement a test controller capable of handling 8 loads including a solar-powered capacitor bank.
- Created technical reports, implemented Python coding, unit testing, Simulink simulations, circuit testing and encasement design.

- Python • MATLAB
- Simulink