Chris Parker, M.B.A., B.Eng

CONTACT

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vercel.app

ON, Canada

SOFTWARE SKILLS

Python

SQL

git

node.js

React

JavaScript/TypeScript

REST APIs

AWS

HTML/CSS

R Studio

EDUCATION

MBA - Business Analytics

McMaster class of 2022

B.ENG - Mechatronics &

Management

McMaster class of 2021

WORK EXPERIENCE

FULL STACK DEVELOPER | Lineside | Kitchener | Sept 2022 – Present

Designed and developed internal project management and design tools in a web app. Leverages TypeScript, node.js, React framework and includes:
- Implemented a highly efficient and scalable SQL database with ORM integration, empowering designers to effortlessly select optimal components and eliminating the need for redundant research efforts. Additionally, enabled project managers to track project status seamlessly, virtually eliminating any mis tracking of inventory.
- Parsing and transformation of user generated CSVs to populate the database. Data export to CSV for reference and data validation
- PDF generation of branded purchase orders and packing slips. Cuts time to complete these administrative tasks by 80%
- Modular architecture supported by tRPC APIs, ensuring optimal code organization, maintainability, and reusability
- Scalable and resilient deployment on AWS using ECS, RDS, and Route 53

Also worked on stand alone tools in Python to further support designers by:
- Programmatically detecting and replacing incorrect data, eliminating human error

PLC PROGRAMMER | Brock Solutions | Kitchener | June 2021 – Sept 2022

Designed, programmed, tested, and commissioned baggage handling systems
- Programmed software interfaces for OEM hardware
- Executed meticulous unit test plans and promptly addressed any identified bugs, ensuring high-quality software performance
- Actively participated in large-scale system tests and conducted comprehensive data logging verification during the commissioning phase, ensuring the successful implementation of projects

TEACHING ASSISTANT | McMaster | Hamilton | Sept 2020 – April 2021

- Mentored students in embedded systems software design through engaging tutorials, facilitating their understanding in programming FRDM-ARM64 microcontrollers using the C language

SOFTWARE DEVELOPER - SIMULATION | Toronto Pearson Airport | Mississauga | May 2019 – Aug 2020

Worked with the Facility Systems Engineering team on a diverse set of projects
- Conducted rigorous system throughput tests in FlexSim using C#, identifying and resolving system bottlenecks to optimize operational efficiency
- Evaluated alternative solutions to determine cost-effective project paths, showcasing exceptional analytical and problem-solving skills
- Developed Python tools to generate simulated environment layouts, enabling accurate assessment and visualization of project outcomes
- Effectively communicated findings and recommendations to stakeholders through clear and concise verbal and written reports, fostering collaboration and informed decision-making