

Felix Tessier

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PROFESSIONAL EXPERIENCE

Software Developer | *Price Industries Limited*

Apr. 2024 – Present

- Architected and implemented a high-performance distributed system for product submittal generation, leveraging parallel processing to reduce document creation time by 80% compared to alternative solutions.
- Designed and deployed an automated data extraction pipeline using OCR and LLM technologies to digitize manufacturing PDF documents, enabling real-time visibility into production workflows and reducing order status inquiry response time from minutes to seconds.
- Designed and deployed an AI chatbot using retrieval-augmented generation (RAG) architecture that analyzes internal technical documentation, enabling staff to access critical information directly through Microsoft Teams.
- Added new features to several existing legacy software to meet the requirements of various business units across the company.

Automation Software Developer | *SolutionAir*

Jun. 2023 – Mar. 2024

- Led the development, styling and deployment of the sales website using technologies such as Javascript, HTML, CSS and DriveWorks while also implementing source control using Git.
- Built, styled and shipped high-quality software configurators using DriveWorks to automate engineering procedures while centralizing data in Microsoft SQL.
- Engineered and optimized custom scripts across multiple platforms to streamline workflow, eliminate bottlenecks, and rectify software bugs, enhancing operational efficiency for the engineering department.
- Collaborated with the engineering team to standardize product design, ensuring configurability and alignment with market needs.

Project Engineer | *Amphenol Technical Products International*

Apr. 2022 – Jun. 2023

- Developed and implemented automation tools in MS Excel with Visual Basic resulting in a 50% time reduction for quotation procedures.
- Managed client-driven solar and EV harness projects, from costing to manufacturing, while providing technical feedback to the client as needed.
- Researched and designed cutting-edge solar and EV wire-harnesses while ensuring strict compliance with UL standards.

PROJECTS

Full-Stack Mobile App | *React Native, Redux, TypeScript, Express.js, PostgreSQL*

- Currently developing a comprehensive full-stack mobile application that allows users to discover, join, and organize sport games in their local communities.
- Leveraged React Native to design and style a responsive frontend, ensuring a smooth cross-platform user experience across mobile devices.
- Designed and implemented a robust SQL database to track user information, game details, and a relational table linking game IDs with user IDs to track user participation in games.
- Followed REST API principles to architect and implement server-side logic with Express.js, enabling seamless data transmission from the database to frontend.

EDUCATION

University of Manitoba

Bachelor of Science in Mechanical Engineering

GPA: 4.11/4.5

SKILLS

Languages: C#, JavaScript, TypeScript, Python, HTML/CSS, SQL, Java, Visual Basic, MATLAB

Libraries & Frameworks: React, React Native, Next.js, Angular, Express.js, TailwindCSS, .NET Core

Tools: Git, GitHub, Azure, Vercel, Figma, Bot Framework Composer