Conner Armour

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Portfolio: https://connerarmour.com | GitHub: https://github.com/connerA-613

PROFESSIONAL SUMMARY

Result-driven Full-Stack Software Engineer with experience building full-stack applications using Python, React/Next.js, SQL, and cloud-based tools across web, data, and automation projects. Developed customer-facing platforms and internal tooling that improved scheduling accuracy, resource planning, and user engagement across cross-functional environments. Brings a product-focused mindset, clean code discipline, and a collaborative approach to technical problem-solving. Seeking software engineering roles on agile teams building scalable systems that deliver real-world impact.

TECHNICAL SKILLS

Programming Languages: Python, JavaScript, TypeScript, Java, C, SQL (MySQL, PostgreSQL), HTML, CSS, Ruby, Dart (Flutter)
Frameworks & Libraries: React, Next.js, Angular, Node.js, Tailwind CSS, Bootstrap, Material UI
Databases & Data Tools: MySQL, PostgreSQL, Microsoft Access, Firebase, Supabase
Tools & Platforms: Git, GitHub, Docker, AWS, Google Cloud, Visual Studio, VS Code, Linux (Ubuntu/Debian), Microsoft Office Suite
Methodologies: Full-Stack Web Development, API Integration, Process Automation, Cloud Computing, CI/CD, Testing, Agile Methodologies, Algorithms & Data Structures

EXPERIENCE

Space Credibility Canada Inc. **Cambridge, Ontario**
Software Engineer *2024 – Present*

- Met with Project Manager to identify inefficiencies in manual scheduling, capacity analysis, and chemical mix label creation, then mapped out automation opportunities that reduced overall production cycle time by 83%.
- Partnered with Project Manager to define automation requirements, translating operational pain points into three Python-based tools that cut scheduling from hours to minutes.
- Developed an inaugural Python-based scheduling tool that automated Excel project timelines with built-in business delay logic, cutting scheduling time from hours to minutes and ensuring consistent delivery dates.
- Built a first of its kind Python capacity analysis tool to calculate and bucket available labour hours monthly, enabling real-time resource planning and improving operational efficiency.
- Implemented a new Python + SQL solution to auto-generate chemical mix record labels in Excel from Microsoft Access data, eliminating manual entry and reducing labeling errors.
- Delivered automation suite that improved production scheduling, capacity analysis, and label creation efficiency by 83%, reducing delays and freeing staff for higher-value tasks.

Radical AI **Remote**
Software Developer *2023 - 2024*

- The company needed to enhance its platform offerings and provide clients with more interactive AI-driven solutions, while maintaining responsive and modern user experiences.
- Designed and built DataDive, an interactive Next.Js platform that helps users prepare for data analyst interviews by integrating OpenAI's API to generate personalized behavioral and technical questions with real-time feedback, expanding Radical AI's product capabilities and earning strong internal feedback for usability and innovation.

Wilfrid Laurier University **Waterloo, Ontario**
Freelance Software Engineer *2023*

- Client discussed how the previous quiz software was hosted on an expensive SaaS software, and a low-cost alternative was needed.
- Designed and created a new, custom, responsive web application in React to deliver the quiz functionality in-house, eliminating reliance on the paid SaaS platform.
- Collaborated with the client through multiple meetings to gather requirements and tailor the solution to student needs
- Resulted in a 75% reduction in costs compared to the previous platform while enhancing usability for students and giving the client full control over future updates

EDUCATION

University of Guelph **Guelph, Ontario**
B.S. in Software Engineering

- **GPA:** 3.7/4.00, *Dean's List, Graduated with Distinction*