Chris Hildebrand

hildebrandc94@gmail.com | (519) 569-1795 | Toronto, ON

linkedin.com/in/c-hildebrand |github.com/Childebrand94 |github.com/Childebrand94/Portfolio

As I transition from electrical work to Full Stack Web Development, I've embraced intensive mentorship. This journey has sharpened my skills in both front-end and back-end technologies. It's been a self-driven path, where daily check-ins with my mentor on Slack have kept me accountable and honed my ability to estimate and manage my daily work effectively.

Projects

PathFindr (Travel Planning App)   Nov 2023 - Present
Ruby on Rails, Heroku, PostgreSQL

- **Authentication and Registration**: Implemented a secure user authentication and registration system from scratch.
- **Invitation System**: Engineered a sophisticated invitation system using mailers in Rails, enabling users to invite friends to collaborate on trips. This feature not only enhances user engagement but also showcases my proficiency in integrating Rails with email service.
- **Role-Based Access Control**: Implemented a role-based access control system to manage conflicting itinerary items. This required a deep understanding of user authorization and conflict resolution in database design, ensuring a seamless and user-friendly experience for trip planning and coordination.

Micro Reddit (2007 Reddit Clone)   Sept 2023 - Oct 2023
Go, React, TypeScript, PostgreSQL

- **Hierarchical Comment System**: Developed a comment system allowing nested comments, mimicking real-world discussion threads.
- **Debounce Feature for Live Search**: Implemented an efficient debounce mechanism in the live search functionality, enhancing user experience by reducing unnecessary server requests and improving application responsiveness.

Blackjack Trainer(Card Counting Educational Tool)   July 2023 - Aug 2023
JavaScript, React

- **State Management with FSM**: Employed a Finite State Machine (FSM) to effectively manage the game state as the player makes decisions.
- **Diverse Game Modes Implementation**: Developed three distinct game modes - Basic Strategy, High-Low Card Counting, and a Realistic Scenario - each offering targeted skill development and interactive learning experiences for varied aspects of Blackjack strategy.
- **Created a Custom React Hook for Game Logic**: Built a custom hook in React to handle the game's rules and actions. This made it easier to use the same code for all three game modes. In the card counting mode, it automatically makes the best moves so players can just focus on learning to count cards.

Technologies and Languages

- **Languages:** TypeScript, JavaScript, Go, Ruby, JavaScript, Python
- **Technologies:** Postgres, Git, Ruby on Rails, React, BootStrap, TailWind, Heroku
- **Tools:** Vim, VsCode

WORK EXPERIENCE

WSN Construction   **Jan 2023 – Oct 2023**
Electrician   Geraldton, ON

- **System Installation & Operation**: Ensured optimal operation and installation of sophisticated electrical systems in high-pressure environments. Maintained a focus on precision and safety.
- **Team Collaboration**: Collaborated effectively with team members on cable pulls and rigging installations, contributing to optimized project outcomes.
- **Technical Documentation**: Produced clear and precise documentation for installations and modifications.
- **Leadership & Recognition**: Recognized for technical expertise, assigned to manage crucial installations and led efforts in procedural enhancements to boost operational efficiency.

Mellon Inc   **Nov 2021 – Sept 2022**
Electrical Foreman   Sarnia, ON

- **Leading & Teamwork**: Stepped up as a Foreman, guiding a team of 12. Created a team-focused work environment.
- **Project Handling**: Took charge of setting up High Mast Light Poles, handling everything from assembly to installation.
- **Site and Safety Management**: Worked with other contractors to manage road closures and kept my team safe on the job.

EDUCATION

Full Stack Web Development MentorShip   **June 2023 - Present**
https://timjohns.ca/mentorship.html

- **Comprehensive Skill Development**: Acquired extensive knowledge in front-end and back-end web development, mastering technologies like React, Ruby on Rails, and SQL through a series of practical, real-world projects.
- **Project Management and Problem-Solving**: Improved project planning and execution skills; adept at using flexible strategies for building websites, swiftly adapting to developmental challenges.

Electrician Construction & Maintenance (Apprenticeship)   **Jan 2021**
Conestoga College | Kitchener, ON | GPA: 3.98

- **Technical Training**: Acquired comprehensive knowledge in electrical systems, covering both theory and hands-on practice in areas such as wiring, circuitry, safety protocols, and electrical code standards specific to Ontario, Canada.
- **Practical Skills Development**: Gained valuable experience through practical exercises and simulations, enhancing skills in electrical installation, troubleshooting, and maintenance, with a strong emphasis on adherence to industry safety and quality guidelines.