**Chris Hildebrand**

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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, PostgreSQL

* **User-Centric Design:** Crafted an intuitive authentication and registration system focused on security and ease of use.
* **Invitation System**: Developed a robust invitation feature with Rails mailers to facilitate collaborative trip planning among users.
* **Role-Based Access Control**: Developed an in-app role system enabling administrators to oversee trip plans, resolve itinerary conflicts, and manage group memberships, showcasing expertise in user authorization and group dynamics management.

**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**: Introduced a debounce mechanism to optimize live search, reducing server load and enhancing responsiveness.

**Blackjack Trainer(Card Counting Educational Tool) July 2023 - Aug 2023**

JavaScript, React

* **State Management with FSM**: Utilized a Finite State Machine to streamline game state management, enhancing decision-making processes.
* **Diverse Game Modes Implementation**: Created three unique game modes to cater to different learning aspects of Blackjack, enhancing user engagement and skill acquisition.
* **Created a Custom React Hook for Game Logic**: Developed a custom React hook to centralize game logic, facilitating code reuse across game modes.

**Technologies and Languages**

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

**WORK EXPERIENCE**

**WSN Construction Jan 2023 – Oct 2023**

ElectricianGeraldton, ON

* **System Installation & Operation**: Ensured the efficient installation and operation of complex electrical systems, prioritizing precision and safety in demanding environments.
* **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.
* **Scalable Project Management**: Demonstrated ability to manage large-scale projects with a focus on modern, efficient outcomes.
* **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 - Feb 2024**

<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.