

Chris Eberle

Calgary, Alberta, Canada

(587) 226-1485 | ceber042@mtroyal.ca | [LinkedIn](#) | [GitHub](#)

SUMMARY

Full-Stack Web Development: Built a fully self-hosted web/server infrastructure with thorough documentation to enable businesses to replicate and self-host their own production environments.

Communication Skills : Consulted in-person and via email with 20+ homeowners weekly at Touchstone irrigation to diagnose and resolve irrigation issues.

Troubleshooting Expertise: Successfully resolved a critical communication failure between irrigation controllers and the central operations hub, re-establishing service to 250+ homes.

SKILLS

Languages:	TypeScript JavaScript Java C++ C# SQL HTML CSS
Frameworks & Libraries:	Node.js Docker Socket.io React Tailwind Jest
Tools:	Git Excel MS Office PowerPoint Word
Workflows/Methodologies:	SDLC Agile/Scrum

EDUCATION

Bachelor of Computer Information Systems	September 2023 - Present
<i>Mount Royal University</i>	Expected 2027 Calgary, AB
Relevant Courses:	Data Structures Software Eng. Data Modeling & Query Languages

PORTFOLIO PROJECT

Lampen-IT Self-Hosted Full-Stack Server Infrastructure	October 2025 - Present
• Designed, deployed and developed a fully open-source, self-hosted, Docker based web and backend infrastructure with Cloudflare tunneling and Nginx reverse proxying, supported by detailed documentation for replication.	
• Developed a 3 tiered API routing protocol to maximize security across all external and internal services.	
• Dockerized all services to enable scalable, modular, and isolated server environments.	
• Eliminated the need for open firewall ports by routing all inbound traffic through an encrypted Cloudflare Zero-Trust tunnel, restricted to a hardened Nginx reverse proxy with refined security headers.	
• (<i>Ongoing development - Github: [link]</i>)	

EXPERIENCE

Irrigation Technician	June 2023 - August 2024
Touchstone Irrigation and Plumbing	Calgary, AB
• Optimized water schedules to reduce usage by 15% while maintaining lawn health, earning positive resident feedback, and generating a five-figure annual savings on water bills.	
• Enhanced irrigation effectiveness by deploying multiple software updates to control boxes, reducing system downtime by 6 hours per week.	
• Diagnosed and repaired a critical malfunction in a proprietary control box motherboard by replacing a burnt-out component, preventing a \$4,000 replacement cost.	
• Collaborated with a team of TORO engineers to integrate new software with legacy hardware, ensuring seamless system functionality and preventing operational downtime.	