

# Chris Eberle

Calgary, Alberta, Canada

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## SUMMARY

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**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

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

## EDUCATION

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

## PORTFOLIO PROJECT

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<b>Lampen-IT   Self-Hosted Full-Stack Server Infrastructure</b>	<b>October 2025 - Present</b>
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- Designed, deployed and developed a fully open-source, self-hosted, Docker based web and backend infrastructure with Cloudflared 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 Cloudflared Zero-Trust tunnel, restricted to a hardened Nginx reverse proxy with refined security headers.
- *(Ongoing development – Github: [\[link\]](#))*

## EXPERIENCE

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<b>Irrigation Technician</b>	<b>June 2023 - August 2024</b>
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.