

BENNETT GUNSON **Full Stack Developer**

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⚙️ SKILLS

JavaScript TypeScript NodeJS HTML CSS Docker Python Java Git C# .NET
ASP.NET Blazor WPF C++ C CMake Haskell Angular React NextJS Gatsby
RxJS GraphQL ExpressJS Bootstrap Material UI Protobuf WebSocket Modbus
MQTT Firebase MongoDB SQLite PostgreSQL InfluxDB

📁 WORK EXPERIENCE

Spring Valley Solutions [🔗](#)

Software Developer – Full-time Internship

May 2021 – Dec 2021

- Migrated (rewrote) two web clients from AngularJS to Angular (v14).
- Implemented numerous server-side upgrades to Modbus exports, user-authentication, and Jasmine tests.
- Optimized applications to be customized for clients through configuration files and created a build pipeline to efficiently ship installers.
- Developed a PLC backup/restore utility with CLI (NodeJS) and GUI (WPF) from scratch to read and write values to multiple PLC's on a given network.
- Styled, managed, and deployed company website using NextJS and Firebase hosting.

Software Developer – Part-time

Jan 2022 – Present

- Maintained proprietary web applications including bug fixes, feature implementations, and building/distributing installers to customers.
- Added MQTT export capabilities, remote access with ngrok, and time series export to InfluxDB.

🤝 VOLUNTEER EXPERIENCE

Bike Root Community Bike Shop [🔗](#)

Bike Mechanic

Sept 2022 – Present

- Refurbishing donated bicycles for resale and repairing customer's bicycles.
- Opening and closing the shop as well as handling POS system for transactions.

🎓 EDUCATION

University of Calgary

Bachelor of Science, Computer Science

Sept 2018 – April 2023

- Favourite courses: Data Base Management Systems, Computer Networks, Network Systems Security, Foundations of Functional Programming, Computing Machinery, Web-Based Systems

📁 PROJECTS

OnBoardPi [🔗](#)

Node, Angular, PostgreSQL, Docker, Python-OBD, socket.io, Raspberry Pi

- Diagnostic web server and client for OBD2 compliant vehicles
- View fault codes, clear check engine light, and watch realtime values including RPM, speed, and temperatures on a dashboard.

StuddyBuddy [🔗](#)

MongoDB, Express, React, NodeJS

- Hack the Change 2022 (YYC) Admin Team's Choice winner
- A web application to connect users globally to tutor each other free of charge via open rooms with a whiteboard and text chat.