BENNETT GUNSON **Full Stack Developer**

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⟨⟩ PROJECTS

OnBoardPi ↗   Node, Angular, PostgreSQL, Docker, Python, 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 with socket.io and RxJS.

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.

💼 WORK EXPERIENCE

Spring Valley Solutions ↗
Software Developer – Part-time   Jan 2022 – Present
- Maintain proprietary web applications including bug fixes, building/distributing installers to customers, and new features such as ngrok remote access and time-series exports to InfluxDB.

Software Developer – Full-time Internship   May 2021 – Jan 2022
- Independently migrated two data visualization client-side applications from AngularJS to Angular (v14) utilizing socket.io and RxJS for reactive UI change to dashboards and charts.
- Implemented many NodeJS backend upgrades and features to both data aquisition applications including user authentication, IoT exports (MQTT, Modbus, raw TCP), and Jasmine testing.
- Created a build pipeline to efficiently ship Windows installers for our applications and containerized applications using Docker for cross platform usage.
- Developed a backup/restore utility (NodeJS CLI and WPF GUI) to allow a user to quickly read and write data blocks to any PLC on their LAN via excel, JSON, or TXT files.
- Styled, managed, and deployed company website using NextJS and GCP/Firebase hosting.

✋ 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

⚙ 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`