

Bradley C. Nelson

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EXPERIENCE

- Oliver IQ LLC.** (Home Automation Solutions) Sandy, UT
Founding Software Engineer - Core systems (Node.js) Feb 2021 - Present
- Device Driver Lead Developer
 - Architected Device Driver and Cloud Management
 - 30 Device drivers with a wide variety of Technologies (Zwave, OAuth, Google Pubsub)
 - Company raised 6M in Investments
- Gideon Taylor LLC.** (80+ clients, Peoplesoft Consultants) American Fork, UT
Technical Consultant (PeopleSoft code developer) June 2019 - Feb 2021
- 7 clients supported on multi-year projects using internal Peoplesoft code development
 - 60 hrs/week saved through custom development of Cloud tool for code management & search
 - Lead Developer on new web based product taken through design to deployment (Vue, Node, websockets)
- OpenSynergy Inc.** (Automotive Bluetooth Supplier, ~200 employees) American Fork, UT
Program Developer (Bluetooth SDK & Test Application Development) Sep 2017 - Nov 2018
- Developed Linux based test application for Bluetooth SDK(C/C++)
 - 2 major test applications sold to BMW to enhance Bluetooth in ~1/2 million cars
- Mid-Columbia Engineering** (Nuclear Engineering, DOD & DOE consultants) Richland, WA
IT Specialist (IT & IS troubleshooting, Training, Management) Jan 2015 - Sep 2015
- Oversaw and managed ~100 computer and server usage
 - Managed and trained 2 interns in technical troubleshooting and problem solving
 - Proposed, planned & implemented \$50,000 in network & infrastructure upgrades

NOTABLE PROJECTS

- Quadcopter – Designed in Autocad Inventor. Developed flight control system using PID control loops and I2C for sensor reading on Atmega328
- Home Automation - Home Assistant, ESPHome, Tasmota and Networking
- Laser Tag Guns – IR communication protocol & optics between Atmega328 chips using I2C

SKILLS AND INTERESTS

- Javascript/Typescript, C/C++, Golang
- Volunteer with Kids Who Code (BYU Student service program)
- Linux Desktop / Server Management
- Open Source Software Development