

# SHANE EARLEY

## SOFTWARE ENGINEER

### CONTACT

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### PROFILE

I'm a software engineer based in New Hampshire. Currently, I develop applications for startups and local businesses. I like to create positive impact through computation and design. I mainly do full-stack JS application development, but I've also built things from sensor algorithms to landing pages. I enjoy mastering the best tools for each job so I can help bring products to life.

### SKILLS

- JAVASCRIPT
- TYPESCRIPT
- HTML/CSS
- REST API
- GRAPHQL
- SERVERLESS
- MATLAB
- PYTHON

### EXPERIENCE

#### vBio – Full Stack Software Engineer

2020-Present

vBio (startup) is building a platform to deliver a voice-based COVID-19 screening tool. I am working with the product team to craft a Vue.js client and Node.js server that can interactively collect and analyze a patient's voice sample with a proprietary algorithm.

#### Otter Therapies – Head of Technology

2019-Present

Otter Therapies (startup) is beta-testing a web and mobile app to solve the challenge of special needs care coordination for parents. I built the app in Ionic-Angular with a Google Cloud serverless backend, which allows care teams to securely chat, file share and sync schedules through a parent-centric interface.

#### Freelance – Product Developer

2019-Present

I have developed prototypes and features for multiple software-as-a-service applications, primarily using Angular, Vue.js, Node.js and Google Cloud.

#### Vital View – Grad Intern/Product Manager

2018-2019

Vital View (startup) is building advanced sensors to proactively monitor expensive conditions like heart failure. **Grad Intern:** I co-authored and co-pitched a business plan to win \$50K. **Product Manager:** I led product development meetings and developed algorithms in MATLAB.

#### Amazon Robotics – Test Engineer

Summer 2017

I designed lab structures for robot testing and helped the product engineering team understand technical failures. I also helped repurpose these lab structures to create a warehouse robot demonstration for Amazon's chief executive officer.

### EDUCATION

#### University of Notre Dame

2018-2019

Master's in Engineering, Science and Technology Entrepreneurship

#### Saint Anselm College

2014-2018

Bachelor's in Applied Physics with Computer Science and Mathematics