

# Robert Dale Smith

## FULL STACK SOFTWARE ENGINEER

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713-998-2698  
Austin, Texas

Creative technologist dedicated to building products from concept through execution, spanning digital and physical realms—from front-end to back-end, down to the bare-metal. I focus on creating products I would use myself, collaborating with inspiring teams, and pursuing a shared vision.

### EXPERIENCE

#### Founder, Embedded Software Engineer

08/2021 – present

##### Controller Adapter

Austin, Texas

Developed open-source hardware and firmware, growing it into a thriving e-commerce business with a five-figure MRR. Reverse-engineered many communication protocols with minimal documentation. Designed and manufactured custom printed circuit boards with 3D-printable enclosures for half a dozen different products.

*Assembly - C/C++ - Python - AVR - ARM*

#### Staff Software Engineer

03/2020 – 07/2022

##### Pushnami.com

Austin, Texas

Managed and expanded systems handling billions of push notifications monthly. Led the development of e-commerce integrations for Shopify, Miva, and WordPress. Designed internal tools for AI-driven ad optimization.

*TypeScript - Angular - Node.js - MongoDB - AWS*

#### Senior Software Engineer

05/2019 – 02/2020

##### Techsbox.com

Austin, Texas

Built a comprehensive SaaS platform from scratch, featuring a unique ticketing system to streamline daily operations for computer repair service business owners, managing technicians and jobs more efficiently.

*JavaScript - React - Node.js - PostgreSQL - Railway*

#### Software Engineer II

08/2015 – 04/2019

##### Sumo Group (AppSumo.com/Sumo.com)

Austin, Texas

Early engineer, played a key role in transforming Sumo from basic email collection to a robust email service provider, developing essential features such as a rich text email editor, Shopify app, and WordPress plugin.

*TypeScript - React - Node.js - MySQL - AWS*

#### Web Developer

08/2013 – 07/2015

##### Bouncing Pixel

Houston, Texas

Managed all web application development, collaborating closely with clients to turn their visions into tangible products, and worked alongside developers and designers to build customized solutions.

*JavaScript - PHP - Polymer - Node.js - MongoDB - Heroku*

### EDUCATION

#### Computer Science, Mathematics

University of Houston 2010 - 2013

- Undergraduate research (Quantitative Imaging Lab)
- Microsoft Imagine Cup Startup Accelerator
- Class 1 of RED Labs Startup Accelerator
- Corporate Entrepreneurship Certificate

#### Mathematics

San Jacinto College 2004 - 2006

- NASA Columbia Crew Memorial Scholarship
- NSF CSEMS Scholarship
- Raven Scholars Honor Society
- Phi Theta Kappa