

# NEIL MACMUNN

Software Engineer

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## EXPERIENCE

**Consulting Software Engineer** 2022.09 - Present  
Asheville, NC

Specializing in **SvelteKit** applications for fundraising and market validation. Completed projects include a serverless LMS extension for physiotherapy training deployed to **Firebase**.

**Senior Software Developer** 2016.02 - 2021.09  
Bloomberg · New York, NY

Technical lead of a team building **Node.js** developer tools for the Bloomberg Terminal. Implemented debugging and testing over **Chrome DevTools Protocol**. Created **TypeScript** AST transformations based on static and dynamic code analysis and implemented with **Recast**.

**Lead Developer** 2014.10 - 2015.12  
ModernAdvisor · Vancouver, BC

First employee and lead developer of a **Ruby on Rails** and **AngularJS** investing platform deployed on **AWS**. Got regulator approval, launched, and raised \$2.2M Series A funding in a year.

**Consulting Software Engineer** 2014.01 - 2014.09  
Vancouver, BC

Specialized in **Meteor.js** applications including an interactive streaming platform for performance arts and an LGBT dating app built with **Apache Cordova**.

**System Design Engineer** 2010.10 - 2013.12  
Gumstix · Vancouver, BC

Co-invented a web-based electronic design automation tool for embedded systems written in **JavaScript** and **Python**. Managed **Linux** builds for developed drivers for ARM-based embedded systems.

**Embedded System Engineer** 2008.09 - 2010.10  
TSCO Ltd · Whitehorse, YT

Project management, hardware design, and **C** firmware development for research and exploration projects across northern Canada.

**Embedded System Intern** 2007.05 - 2007.08  
Infosys · Mysore, India

Created hardware and firmware for an automotive Electronic Control Unit rapid prototyping system.

## TOOLS

TypeScript, Python, Ruby, C

Node.js, Express, SQL/NoSQL, Prisma, REST

SvelteKit, AngularJS, MeteorJS, HTML, CSS, Playwright

Firebase, Netlify, AWS, Docker

Git, Agile, JIRA, GitHub Projects

Linux, Embedded Systems

## PROJECTS

[neil.macmunn.com](http://neil.macmunn.com)

[venue.tube](http://venue.tube)

[chooseday.app](http://chooseday.app)

[passwordbirds.com](http://passwordbirds.com)

## PATENTS

**Integrated Electronic Design Automation System**

US Patent: 20130326457

## EDUCATION

**University of Waterloo** 2003 - 2008  
Bachelor of Applied Science

Mechanical Engineering/Mechatronics Option  
Co-operative Program