

[me@nabeards.com](mailto:me@nabeards.com)

## Neil A. Beardsley

+1 (415) 985-6345

Seeking remote freelance software engineering work, providing well-engineered solutions to clients using my diverse knowledge and skills. Full-stack programmer that excels at systems integration, APIs, designing big-picture project plans, and executing detailed solutions.

### Languages & Technologies

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JavaScript; Node.js; MongoDB; SQL; Objective-C; C++; Qt; PIC-C; Git; OS X Server;  
Amazon Web Services (EC2, Beanstalk, S3); Docker; VirtualBox  
Past Experience in Rails, PHP, Perl

### Work Experience

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#### Software Engineer, Freelance

#### AethLabs

Early 2013 - Winter 2016

*Develop software for a next-generation environmental monitoring device.*

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

- Engineered desktop app using Qt C++ for low-level USB communications and JavaScript/HTML for UI that downloads data from and modifies settings for the device
- Prototyped a Node.js backend system for data storage and arithmetic operations
- Set up a Drupal REST API for user-facing management system for multiple devices that connects to the Node.js backend for data and settings access
- Collaboratively developed embedded C firmware for PIC32 hardware, creating device state machine and driver access routines

#### Software Engineer, Cofounder

#### Sommly

Fall 2013 - Present

*Engineer app to pair restaurant meals with proper wines using Master Sommelier expertise.*

[sommly.io](http://sommly.io)

- Created Node.js API for front-end mobile app to access restaurant, menu, and shopping information
- Integrated Foursquare API to access restaurant details and menus
- Connected Google Docs to allow finer-detailed menu input
- Incorporated the Shopify API to allow purchasing of wine and food directly from the mobile app
- Constructed an AWS Beanstalk with Docker images to run the API as well as use Cloudfront for CDN delivery of media assets

#### Director of Technology

#### Tricycle Studios

Spring 2010 - Fall 2012

*Create digital sales and marketing tools to empower sales people in the medical device field.*

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

- Founded software development division, grew it to over 50% of company revenue in two years
- Created and trained resulting team of 2 project managers, 5 developers and 2 QA engineers
- Sourced and managed 3 outsourced development firms for additional work as needed
- Account manager and technical sales engineer for Fortune 50 and other large customers
- International client teams from Australia, India, UK & Ireland, Germany, Italy, Spain
- Developed software for iOS that client sales teams use for product demonstration and training
- Technologies used include Obj-C, JavaScript, Node.js, Django, Git, AWS infrastructure

**Managing Partner****RedCase, LLC****Spring 2003 - Spring 2010**

*Provide Macintosh IT services for businesses and homes throughout Tampa Bay, FL.*

- Founded company, grew from servicing a handful of residential clients to being the outsourced IT for numerous companies in Tampa Bay that ran Macintosh computers
- Successfully systematized, automated and normalized infrastructure across most clients to minimize custom support needs and ease remote monitoring
- Increased and normalized revenue by initiating managed service contracts with large customers
- Created successful marketing campaigns focused on backup, email and server improvements
- Sold company to Infinity Business Systems and hired by them for continued support management, Spring 2009 - Spring 2010

**Education****Worcester, MA****Worcester Polytechnic Institute****Fall 1998 - Spring 2002**

BS Computer Science, Minor MIS

[wpi.edu](http://wpi.edu)

GPA 3.5

Major Project: [Using Eye Movement as a Control Device for Computer Screen Cursors](#)Coursework: Computer Networks; Database Systems; OO Analysis & Design; HCI

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