

Nathan Friedly

Smart, driven engineer and leader. Built companies and products from the ground up, managed remote teams, and shipped software used by millions.

Recognized expert in **JavaScript/Node.js/web development**. Contributed code to Node.js core, and ranked in the **top 1%** of JS developers worldwide. ¹

Wide breadth of experience covering AI, DevOps, Data Science, IoT, UI/UX and languages including C#, Ruby, Python, Go, Rust, HTML, CSS, and others.

Select Work Experience

More at <http://nfriedly.com/portfolio>

Senior Software Engineer, Tanium

12/2017 – 10/2019

- **Full-stack web development** with Node.js and AngularJS, and later React
- **Systems development** of endpoint software in C++ and Python
- **Scaled** features to handle millions of endpoints with sub-second response times
- **End-to-end testing** (e2e) that included creating **fully virtualized networks**
- Provided **mentoring**, **security training**, and code reviews

Advisory Engineer, IBM Watson

8/2014 – 12/2017

- **Led teams** split across multiple sites and, occasionally, multiple companies
- **Mentored** individuals and provided **Technical Leadership** and advice
- **Node.js & Speech JS SDKs**: easy, idiomatic APIs; extensive automated testing
- Web & IoT demos with **AngularJS**, **React**, **Arduino**, **Raspberry Pi**, etc.
- Presented at **Devoxx**, **Tech Crunch Disrupt**, **RoboUniverse**, and other events
- Developer Cloud website – assisted redesign, **improved performance by 15x**

Principal Engineer, Sociable Labs

4/2010 – 8/2014

- **Led front-end engineering team** building apps with **AngularJS**
- Supported growth from zero to over a **billion API requests** per month
- Worked **full-stack** with JavaScript, Java, PostgreSQL, Memcached, etc.
- **Analytics**, **A/B testing**, and **data science** to **drive product improvements**
- Set up **continuous integration** and authored a suite of automated tests

Founder, Incline Digital LLC

6/2004 – present

- Managed a **world-wide team** of designers and developers
- Websites, apps, games, automation, and other projects for **BMW**, **Atari**, **Sunny Delight**, and many other brands

Lead Developer, iBoomerang.com, Inc.

2/2005 – 8/2008

- Led a small team building AJAX-driven web apps for insurance agents with sales and stats tracking, appointment reminders, templated websites, and more

Education

BS Software Development
AAS Web Development
AAS Network Engineering

University of Cincinnati. Graduated with Honors.
Sinclair Community College. Graduated with Honors.
Sinclair Community College. Graduated with Honors.

1. Rankings by Elance.com, recorded in 2013, 2014, and 2015.

Engineering Leader

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github.com/nfriedly

Side Projects

Space Jump

A JS/canvas game I built over a Christmas vacation – keyboard control on desktop and touch/tilt on mobile.
nfriedly.github.io/space-jump/

Express Rate Limit

A simple rate-limiting middleware for Express that turned out to be my most popular module ever.
npmjs.com/package/express-rate-limit

Coin Allocator

Automated Bitcoin trading bot. Was profitable until the exchange got hacked and lost all of the coins ☹️
github.com/nfriedly/coin-allocator

Tipp JS Meetup

JavaScript meetup I started in Tipp City in 2012. My presentations included Node.js, Jasmine, RequireJS, Raspberry Pi. Later joined forces with Gem City JS.
<http://gemcityjs.com/>

Unblocker

Extensible, high-performance Node.js library for proxying and modifying websites.
npmjs.com/package/unblocker

June 2011
June 2007
June 2007