

# Paul Schoenfelder *April 12, 1987*

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## Summary

*I'm a just a guy with a love for open source, languages and distributed computing, and a passion for developing high-quality software.*

I started out in IT as a network engineer, working with Cisco equipment, but it wasn't long before I had delved in to writing scripts for automation. Once I had a taste for code, I knew it was where I belonged, and I was relentless in pursuing an open developer position at the same company. I was given the opportunity, and I've been a software engineer ever since.

I was thrown in to the world of software engineering, and had to learn fast. I soaked up books, blogs, talks, whatever I could. The tools I was given were C#, HTML/CSS, Javascript, as well as Bash and Powershell. I picked up Ruby and a bit of Python for scripting not long after, and my curiosity was piqued. Slowly I've added Clojure, Scala, F#, Erlang and Elixir to the list

I'm active in open source. I experiment with embedded dev, and have a Pi and Arduino. I love functional programming and the challenges of concurrency and distribution. But most of all, I love building software.

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## Experience

### Exosite

MINNEAPOLIS, MINNESOTA

#### Senior Web and Infrastructure Engineer

*Oct '15 – present*

Lead developer on some of Exosite's most critical core services, built on Erlang and Elixir, with a few in Go. Learned a ton about AWS and Kubernetes in order to implement an OpenShift-based hosting platform for customer and internal applications. The applications I built we're distributed, highly concurrent infrastructure services, with all the resultant challenges. Heavily involved in the Erlang/Elixir community.

### The Nerdery

BLOOMINGTON, MINNESOTA

#### Senior Software Engineer

*Mar '13 – Oct '15*

Lead developer for a number of projects both large and small, managing teams of 2 to 8 devs. C and Scala dev primarily. Built a number of open source libraries for the Elixir community, including contributions to the language itself. Focused on growing my FP, crypto, and concurrent/distributed programming skills.

### Surge

SAINT PAUL, MINNESOTA

#### Senior Software Engineer

*May '12 – Mar '13*

Lead developer on three projects, leading teams of 1-4 devs. Developed in-depth expertise with Adobe InDesign Server and InDesign Markup Language. Worked remotely the entirety of my time with Surge as a contractor.

### ProtoLabs Inc.

MAPLE PLAIN, MINNESOTA

#### Software Engineer

*Oct '10 – May '12*

Primary developer of numerous projects. Most developers at ProtoLabs fit in to one of two teams, web or backend - I was the exception, primarily devoted to RD applications with focus towards internal process improvement and reporting/data mining capability.

### United States Air Force

MADISON, WISCONSIN

#### Avionic Systems Journeyman

*Apr '09 – Apr '15*

My second job is with the Air National Guard/USAF out of Madison, WI - where I work as a flightline avionics technician on Lockheed Martin F-16C/D fighter jets. I'm currently a Senior Airman, working towards my Staff Sergeant stripes.

### Business Card Services, Inc.

BURNSVILLE, MINNESOTA

#### Software Developer

*Oct '08 – Dec '09*

The entirety of my time at BCSI was spent as the primary developer behind a project to port a legacy manufacturing process written and maintained since the late 80's to a modern, C and ASP.NET driven system, while expanding it's capabilities, and providing some new reporting and data mining features that the old system could not provide. After the first release of the new software, I left for training with the United States Air Force.

*Please refer to my [Linked-in profile](#) for more a more complete list of my work experiences along with recommendations.*

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## **Skills**

**Technical expertise:** Software design and implementation. Testing, continuous deployment, and automation. Elixir/Erlang/Go/F#/C#/Clojure, and Ruby, with interest in many more. Thorough knowledge of web technologies: HTTP/TCP/TLS, HTML+CSS, JavaScript, XML, REST, and SOAP. System administration skills: Shell scripting, nginx, HAProxy, PostgreSQL, MSSQL, Docker, AWS, Kubernetes, Azure and VMware. Solid base in computer science fundamentals, data structures and algorithms.

**Non-technical skills:** Can speak beginner-level Russian, and improving every day

## **Interests**

**Non-exhaustive and in no particular order:** cryptography, artificial intelligence, game development, music, snowboarding, homebrewing, motorcycles, the outdoors, and more!