
Work Experience

2016-Present—Principal Software Engineer—Fastly

Responsibilities

- Maintain backend to customer-facing configuration management system.
- Maintain service for safely compiling untrusted customer code.
- Optimize distribution of customer data and serverless applications to thousands of servers around the globe.

Projects

- Helped launch the [Fastly Compute@Edge](#) serverless compute platform.
- Scaled the [TLS](#) distribution system from supporting thousands of certificates to supporting millions.
- Designed and implemented low latency, globally available key/value store.
- Identified and optimized key performance bottlenecks in production applications.

2011-2016—Lead Developer—Ars Technica (Condé Nast)

Responsibilities

- Maintained [CMS](#) and other infrastructure.
- Supported authors and readers in day-to-day use of the site.
- Collaborated with ad-operations to launch high profile ad campaigns.
- Worked closely with creative director to plan and build new features for the site.
- Occasionally wrote articles related to [my interests](#).

Projects

- Launched site redesign and new CMS.
- Built [new ad product](#) for targeting ads to trending stories.
- Built [custom liveblog](#) and photo uploading software viewed by millions during live events (e.g. [WWDC](#)).
- Setup an [educational cryptocurrency](#), and built the [Arscoin store](#) for users to buy digital goods.

2009-2011—Perl Developer—Server Central (now Deft)

- Maintained a legacy Perl codebase used to manage the company's core business.
- Worked with [SNMP](#) to monitor customer bandwidth and power usage.
- Worked with [RRD](#) to graph this data internally and on a public facing customer portal.
- Wrote software to process billing data, generate invoices, and accept customer payments.

Open Source work

[Noembed](#)

An oEmbed gateway, enabling users to embed content from around the web in their applications through a single API.

[Alice and relaychat.party](#)

Web-based [IRC](#) clients that uses WebSockets and [SSE](#) for instantaneous updates.

[Plack::App::Proxy](#)

An HTTP proxy application for use with the Plack web stack. It is fairly popular in the Perl community, and has a large list of contributors.

[More...](#)

Skills

Programming languages

- Perl
- Go
- PHP
- Ruby
- Javascript
- Objective-C
- bash

Web technologies

- HTTP
- REST
- WebSockets
- SSE
- CSS/HTML

Operations experience

- Linux
 - Chef
 - nginx
 - Apache
 - MySQL
 - memcached
 - varnish
 - Jenkins
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Education

University of Cincinnati - 2006

BS Design from School of Design