
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](#) serverless compute platform.
- Launched [Fastly DDoS Protection](#) product.
- Scaled the [TLS](#) distribution system from supporting thousands of certificates to supporting tens of 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 for 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