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# Trevor Hunsaker

Full-Stack Web Developer  
[www.saturdayplace.com](http://www.saturdayplace.com)

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## Qualifications

## Skills

Managing a remote-first distributed development team  
Hand-coding clean, semantic markup (view source for the online version of this resumé: [saturdayplace.com/resume](http://saturdayplace.com/resume))  
Understand best practices for page performance and user experience  
Comfortable with both front- and back-end web development  
Linux system administration  
Achieve compatibility with *negligent* browsers

## Technical

HTML, CSS, JavaScript, ActionScript  
Python, Django, jQuery, Angular, React, MySQL, Apache, NGINX, HLS, DASH  
Git, Mercurial  
Linux, Win, OS X

## Related skills

Flash, Animation, Motion Graphics, Audio/Video production

## Professional Experience

### Sr. Manager, Software Dev Engineering

Verizon Digital Media Services

May 2016 - Present

- Managing team of 10 developers, supporting on-demand and live streaming playback for customers such as ESPN, Disney, ABC, and Fox.
- Responsible for player-facing APIs which:
  - Generate dynamic HLS & DASH manifests
  - Serve authenticated requests for video decryption keys / DRM licenses
  - Communicate with ad servers, insert personalized ads directly into the stream, and pass ad info to players
- Above APIs work at scale, serving up to 1.6M concurrent viewers
- Grew the team from 6 to 10 members

### Software Engineer

Verizon Digital Media Services

September 2014 - May 2016

- Team Lead for dynamic HLS & DASH manifest generation & server-side ads communications
- Built FairPlay Streaming (FPS) key server implementation
- Initial architect of DASH manifest generator
- Initial architect of Widevine license server integration
- Architect of ESNI (SCTE 224) ingest and playback system
- Inventor on patent application for "Hybrid Client-Side Beacon Tracking"
- Refactored API code to make it more easily extensible

### Web Developer

Spillman Technologies

January 2009 - August 2014

- Architected and built user- and SEO-friendly CMS for website in Django. Expanded later to handle multiple domains. Citadex.com was live within one-week of receiving Photoshop mockups

- Designed and built intranet web-apps: Call Report, Employee Wellness Program, HR Job Req Tracker, License Tracker, Server Dashnoard, IT Quotes
- Deployment and custom integration of Customer Portal for Microsoft Dynamics CRM 2011
- Automated deployments using Fabric
- Took over maintenance and development of ASP.NET/C# intranet apps: Timecard, Condo Reservation
- Maintain extant PHP codebase, add features. Administer 3rd party PHP apps: phpBB, activeCollab, Testlink
- Designed/Built new website site features: Customer File Exchange, Registrations
- Server administration (Linux) for website and intranet (Apache, MySQL)

## **Freelance Web Developer**

[www.saturdayplace.com](http://www.saturdayplace.com)

July 2009 - Present

- Wordpress Themes
- Custom Django CMSs
- Keeping up-to-date with latest web development practices

## **Architectural Illustrator**

Cooper Roberts Simonsen Associates

July 2007 - October 2008

- Design/Create 3D Visualizations
- Coordinate multiple deadlines
- Color correct for multiple output devices

## **Talent Manager**

L-3 Communications

Feburary 2007 - July 2007

- Create HTML/JavaScript/Flash training modules for employees
- Team Javascript Lead

## **Media Development Specialist**

L-3 Communications

February 2004 - February 2007

- 3D Modeling, Texturing, Lighting, Rendering, Animation, Compositing
- Graphic Design (posters, fliers, brochures, magazine ads, tradeshow displays)
- Coordinate multiple deadlines

## **Distinctions & Sundry Notables**

Certified Widevine Implementation Partner  
SANS: GIAC Web Application Penetration Tester  
MCTS: SharePoint Server 2007, Configuration  
Honorable Mention: Utah Film Commission Commercial Contest 2004  
Director's Choice, Motion Graphics: University of Utah Digital Media Festival 2005  
Eagle Scout, Scout Master  
Youth Soccer Coach

## **Education**

B.A. Digital Media, University of Utah, December 2004