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Enhanced and most current résumé at http://danieltalsky.com

I create beautiful software, independently or in teams, with good planning, testing, continuous integration, version control, and solid technical writing. I love working in entertainment and have a special focus on writing search tools.

WORK HISTORY

May 2016–Current: Independent Technology Consultant

- Building web and deployment infrastructure for rollout of a patented security file storage system

July 2016–July 2017: Senior Software Engineer, Talent, Inc.

Primary Technologies: Docker, Docker Compose, Gulp, PHP, Python

- Reduced production site performance by 60%
- Created a custom front end build system using Node, SASS, Compass, and Grunt
- Developed Docker containers for each product
- Handled all web application PCI Compliance issues

2014–August 2016: Director of Technology, Satellite Collective

Primary Technologies: Ruby on Rails, Git, Heroku, HTML/SASS, jQuery, Apache, AWS S3

- Recruited and managed volunteer technical staff for all web projects
- Created an open-source web application to display networked art project involving more than 400 people in 43 countries. New York Times coverage: "Satellite Collective, including a programmer and a designer, Daniel Talsky and Matt Dabrowiak, [...] created an elegant website that displays the works as a sort of family tree." Link: http://goo.gl/fFoaYR
- Boosted web site to top ranking position on major search engines

June 2013–April 2016: Software Engineer, Sony Music

Primary Technologies: PHP, Zend, MySQL, Git, AWS Redshift, AWS SQS, AWS CloudSearch, Python, Flask, JavaScript/ES6, jQuery, Node.js, npm, Gulp, Grunt, React, Jenkins, Docker

- Designed and authored natural language search RESTful microservice back-ended by Amazon CloudSearch. Performance of pages powered by API boosted by 75%+
- Co-architected and created BACON, the first commercial tool for automating YouTube monetization using the YouTube Partner API and Amazon SQS. Media Coverage: http://goo.gl/dDw2H4
- Collaboratively designed & authored Flask/Python REST microservices consumed internally by Sony Music and public 3rd parties

February 2012–June 2013: Web Developer, The Jones Group, Inc.

Primary Technologies: DemandWare, JavaScript, jQuery, HTML/CSS

- Developed and deployed DemandWare eCommerce properties for high-profile retail brands owned by The Jones Group

- Part of a small agile team responsible for implementation of new features, enhancements and marketing campaigns for several high volume web properties collectively generating $80 million annually

October 2011–February 2012: Web Developer, Bandwidth Productions, Inc.

Primary Technologies: PHP, MySQL, ffmpeg

- Integrated custom CMS with websites using PHP and MySQL
- Wrote a cross-platform video processing queue using ffmpeg

December 2010–August 2011: Web Developer, Big Fish Games

Primary Technologies: PHP, MySQL, Lucene, Solr, SVN

- Spearheaded a project to create a Solr-driven search tool (currently in production) and brought the project to completion.
- Implemented PCI compliance with CSRF protection on account pages

July 2009–December 2010: Independent Technology Consultant

Primary Technologies: PHP, MySQL, SQLite, JavaScript, jQuery, Apache, SVN

- Partnered with freelance creative resources to produce brand sites and web applications
- Architected and authored secure, classified web application for the U.S. military to manage security clearance for military personnel

October 2007–June 2009: Senior Developer, ProQuest

Primary Technologies: Java, Ruby, C#, MSSQL, Perl, SVN

- Implemented a high-availability SOAP-based XML API in C#.NET
- Authored a detailed article about ProQuest library technology published by the prominent library and technology journal, Code4Lib. Link: http://goo.gl/mhvvTs

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SKILLS BREAKDOWN

PHP Master and proud of it, including related technologies like CakePHP, Zend, Composer, Laravel, you name it

Use Ruby and Python and its web frameworks Rails, Django, and flask for web applications and APIs

Regularly use front end build technologies like JavaScript/ES6, JSLint, npm, LESS, SASS, HTML up to and including 5, CSS2, CSS3

Strong with natural language ingestion and search technologies like Lucene, Solr, ElasticSearch, CloudSearch

Built and architected tools using Amazon Web Services like Elastic Beanstalk, EC2, S3, SQS, Redshift, and Aurora

Architected applications using queuing technologies like SQS, RabbitMQ, ZeroMQ, and ApolloMQ

Familiar with version control and build tools like SVN, git, GitHub, Jenkins, and Docker