

Daniel Talsky // Chicago, IL // danieltalsky@gmail.com // 206-459-3722

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.

WORK HISTORY

October 2017–Current: Senior Associate / Software Engineer, Capital One Financial

Primary Technologies: Python, Django, RabbitMQ, Docker, AWS, Kubernetes, Terraform, Jenkins, PostgreSQL, BDD/Gherkin, Ruby

- Authored cyber threat modeling documents for bank infrastructure
- Created fully containerized environments for applications using Docker, ECS and Kubernetes
- Wrote a full BDD testing suite in Ruby/Gherkin for a large integration project
- Created predictive load-based ECS scaling to reduce EC2 cost usage cost by 16%
- Contributed to a large Python 2–3 codebase conversion
- Wrote scalable REST API's to help serve Capital One Shopping's 10+ million active customers
- Created push notification messaging architecture for iOS and Android

March 2014–Current: Director of Technology, Satellite Collective

Primary Technologies: Google Analytics, Google Ads, Ruby on Rails, Git, Heroku, HTML/SASS, jQuery, Apache, AWS

- Set up payment processing and infrastructure for our Fellows program, offering guidance, fundraising support, and growth strategies
- Webmaster and SEO consultant for a prominent 501(c)(3) New York arts organization
- 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>
- Elevated web site to top ranking position on major search engines

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

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

- Boosted production site performance by 60%
- Created a custom front-end build system using Node, SASS, Compass, and Grunt
- Troubleshooter for all web application PCI compliance issues

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. Pages powered by API saw a 75%+ performance boost
- 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 and authored Flask/Python REST microservices

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

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

- Developed and deployed DemandWare e-commerce properties for high-profile brands owned by The Jones Group
- Part of a small agile team responsible for the 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

- 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 to replace a JavaScript solution 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/mhvTs>

SPECIFIC TECHNOLOGY EXPERIENCE

Regularly use Ruby and Python for automation, file ingestion, web applications with Django and Rails, and Microservices with Flask

Regularly use containerization technologies like Docker, ECS, and Kubernetes

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

Familiar with front-end technologies like JavaScript ES6, JSLint, npm, LESS, CSS, HTML 5, CSS2

Strong PHP skills and proud of it, including related technologies like CakePHP, Zend, Composer, Laravel

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