

Tony deCatanzaro

Full-stack Engineer

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Work Experience

Inkling

San Francisco, California (September 2013 - October 2015)

- Co-led development of a Node.js/Backbone.js app for sharing and reviewing documents on Inkling's platform. Converted app to run in docker for local development and production.
- Worked with a small team to develop an ES6/React/Flux/Node.js user management app from inception to production.
- Wrote and enhanced several RESTful resources in Inkling's core Python/Postgres/Redis-based API, some of which handle hundreds of thousands of requests per day.
- Developed a system to automatically run scheduled imports of users and metadata; scaled it to work for imports with hundreds of thousands of entries.
- All code was thoroughly unit tested.

Projects

JetMapper.com

While traveling in Europe (January - April 2016)

- Developed a web app for mapping all direct flights from any airport. Front-end is written in ES6, React, and Redux and uses the Google Maps JavaScript API; back-end is written in Node.js, Express, and SQLite. Bundled with Webpack and deployed on Heroku.

Internships

Facebook

Seattle, Washington (September - December 2012)

- Used Objective C and Java to develop the Like button for Facebook's iOS and Android SDKs.

Inkling

San Francisco, California (January - April 2012)

- Contributed several major features to a JavaScript/Backbone.js web app. Optimized site layout to provide a significant rendering performance improvement. Every code push included unit tests.

Ontario Institute for Cancer Research

Toronto, Ontario (September - December 2010)

- Enhanced a JavaScript/Perl web app to preload data to the client, providing a 2x performance gain. Refactored client to remove nonessential dependencies. Presented a poster at a major conference.

Trapeze Software Group

Mississauga, Ontario (May - August 2009 & January - April 2010)

- Helped introduce unit testing to a large web app. Developed and shipped a JavaScript/C++ extension to a major client. Automated a version migration system to save employee time.

Buzzwords

JavaScript / ES6
Node.js

React
Flux / Redux

CSS3 & HTML5
Backbone.js

Python & Django
Git

Education

University of Waterloo

Waterloo, Ontario (September 2008 - April 2013)

Honours Bachelor of Computer Science (With Distinction)

Interests & Misc.

- Passion for languages and travel. 27 countries and counting. Most recently spent 4 months in Europe (January to April 2016), studying French at LSF Montpellier, France, and traveling.
- Interest in DIY and electronics. Projects include an automated Arduino car and laser-cut maps.