Nick Titcombe

Software Engineer and Computer Enthusiast

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GitHub - LinkedIn - Personal Site

Portfolio

PoE Trade Ninja Github - Live *Currency trade aggregation for the Path of Exile online marketplace*
- Single-page, RESTful AngularJS application built on a Python-Django web server.
- Every hour, crawls an external site asynchronously to scrape, parse, and persist ~5,000 trades from 39 different urls in 4-11 seconds using Django and Python 3.5
- Uses a series of smaller, asynchronous API requests to quickly retrieve trade data to be rendered by HighCharts
- Caches all trade requests for the current session to prevent unnecessary API calls to the server.

nexproc GitHub - Live *Teamwork productivity app inspired by Asana.*
- Single-page Backbone.js web application built with Ruby on Rails.
- Runs on a customized API, built from monkey-patched Backbone.js data structures to keep code DRY and view types modular.

Snake of Death Github - Live *In-browser Javascript version of the classic arcade game with a twist.*
- Upon losing, the board will invoke a new rendering algorithm based on Conway's Game of life using the current game state as the seed.

Skills

Ruby	Ruby on Rails	Active Record	JQuery	AJAX	HTML/CSS
Java	TDD (JUnit & Rspec)	Javascript	Backbone.js	Git	Bootstrap
Python	Django	AngularJS	HighCharts	Heroku	Agile

Work Experience

Paradata | Full-Stack Software Engineer (Python-Django, Angular, Node) | San Jose, California | 2015-2016
- Fully designed and implemented a Node.js websocket server for real-time, multi-user collaboration
- 800 commits and 30,000+ changes within the first 8 months.
- 98+ stories, issues, and bugs completed and/or resolved.
- 20+ releases
- Cut unit test run time by 50%
- Learned a new web-development stack in less than 3 months.
- Contributed to an existing project within the first few weeks of being introduced to the codebase
- Collaborated to design a new Git flow process for continuous releases
- Onboarded several new hires

Starbucks | Barista | Dublin, Ohio | 2013

- Served hundreds of customers in every 8-hour workshift

Independent Construction Contractor | Ohio | Summer 2011 & 2012

- In a two -person team, completed 8 construction projects each summer in only 12 weeks.
- Designed and built custom shipping crates for cargo valued at over $1M.

Education

App Academy | 2015 | Web Development

- Full stack web development bootcamp
- Acceptance rate < 5%

Franklin University | 2014 - 2015 | Computer Science

- Left in good academic standing to pursue web development
- Coursework included: Java Programming, Data Structures, Algorithms, Computer Organization
- Transfer credits from Ohio State University & community college: C++ Programming, Java Programming, Oracle: SQL & PL/SQL, DBMS, Object Oriented Concepts, Computer Networks, Operating Systems, Calculus, Discrete Mathematics, and Business Statistics.