Michael Stokley

Seattle, WA

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Profile

Software developer. I'm patient enough to take difficult projects seriously, and driven enough to automate tedious, needlessly manual work. In my previous accounting position, I exceeded expectations by learning SQL to automate my data entry / data quality tasks (and avoid using a cumbersome GUI). Since then, I have spent two years studying math, computer science, and statistics at North Seattle College, attended Code Fellows' Python Development Intensive (taught by esteemed pythonista Cris Ewing). I've been working as a foundational member of the engineering team at iDatalabs, building out a customer facing web portal with Vue.js, Flask, and PostgreSQL. My goals for 2018: learn more diverse languages (e. g. functional, typed, low-level, or systems); learn to handle asynchrony without callbacks (using, for example, channels found in Go or Clojure); blog about design patterns; work through a few more chapters of SICP.

Technical Skills

Proficient	Familiar
Python, Django, Flask, PostgreSQL, JavaScript/HTML/CSS, Vue.js, Git, SQL, Unix, MVC, HTTP, OOP, FP, Highcharts	Webpack, AWS Deployment, Heroku Deployment, Ansible, Nginx, Gunicorn, MongoDB, Pyramid, Scheme

Experience

Full Stack Engineer

iDatalabs, Bellevue, WA   *2017.01 - present*

I built and currently maintain a Vue.js single page application that displays and sells marketing data; I also maintain and update the consumed api, written in Flask (Python) as well as migrate underlying db schema to fit api requirements as needed. I work on and debug all tiers of the architecture, from UI to backend, to our Postgres and Mongo databases, to the various Apache and Nginx servers deployed across Azure instances.

- Designed and implemented a 'store' to manage client-side shared state
- Optimized perceived page performance, including both frontend and backend optimizations
- Knocked up internal admin dashboards in Flask as needed

Freelance Web Developer

Red Mountain Software, Seattle, WA   *2016.08 - 2016.10*

Designed, built, and tested an internal management application according to client specification. Carefully designed and implemented database schema to fit domain-specific business objects. App built with Django and PostgreSQL, with jQuery on the front as needed.

Co-founding Software Developer

Sternshus, Inc, Seattle, WA   *2016.07 - 2016.09*

Provided front-end solutions in the context of rapidly changing business requirements. Worked primarily in Webflow, Django, and MySQL. I am most proud of having written sed and python scripts to automate merging Webflow files into the larger Django project.

AR Specialist

Cleanscapes, Seattle, WA   *2012.04 - 2015.04*

Wrote and maintained a library of accurate, sophisticated SQL queries to capture evolving data inconsistencies; these queries eliminated 37.5 labor hours per month despite a 126% increase in customer accounts over a two year period

Projects

Nord Entities

michaelstokley.com/Projects/nord-entities   *2016.10*

Literate programming exploration of natural language processing techniques such as tokenizing, chunking, and named entity recognition. Written in Python with Requests, the NLTK, and Beautiful Soup.

Twitter Haiku

michaelstokley.com/Projects/twitter-haiku   *2016.06*

Literate programming exercise in web scraping, tokenizing, and functional programming techniques learned from the SICP. Written in Python.

Toy Domain Scraper

michaelstokley.com/Projects/toy-domain-scraper   *2016.04*

Toy web scraper built in Python. Uses breadth-first traversal for fast, reliable results.

Education

Code Fellows   **Seattle, WA**

Certificate   *2016*

Advanced Python development emphasizing test driven development, pair programming, agile methodologies, version control, and basic data structures and algorithms

North Seattle College   **Seattle, WA**

Coursework in Math, Computer Science, and Statistics   *2012–2014*

St. John's College   **Annapolis, MD**

B. A. in Philosophy   *2009*