David Simowitz

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Skills

Languages

- Python, JavaScript, SQL

Tools

- Git, Vagrant

Projects

Coordinate App

- Designed and implemented responsive web application—with user registration and authentication—that allows users to browse—as well as plan, update, and cancel—events by activity.
- Created Attending/Considering user functionality with AJAX calls to take effect without reloading event page.
- Achieved performance score of 100 using Lighthouse in Chrome DevTools.
- Coded using Python, Flask, SQLAlchemy, Jinja, PostgreSQL, JavaScript, HTML, and CSS.

Neighborhood Map

- Built single-page, responsive map application that allows users to view a list of neighborhood establishments.
- Implemented list filter to update map markers—from Google Maps API—and list locations with respect to search input immediately on each keystroke or other text entry mechanism.
- Displayed venue data sourced from Foursquare API upon user selection of map marker or list location.
- Programmed using JavaScript, Knockout, HTML, and CSS.

Web Application Server

- Set up web application server—built from a baseline Linux installation—secured against a number of attack vectors and configured to serve the Coordinate App project.
- Automated process to check for, update, and install security packages each day to prevent system from being exploited through known software vulnerabilities
- Implemented using Apache, Ubuntu, PostgreSQL, and Amazon Lightsail.

Experience

Fidessa   *New York, NY*
System Specialist   *June 2013–July 2015*

- Prioritized, designed, tested, and deployed customized solutions using Tcl, SQL, Java, and proprietary programming languages to satisfy client-driven requirements.
- Upgraded trading platforms by applying patches from core product to heavily modified client-specific versions.
- Expedited delivery of solution to critical red flag issue across 100+ clients concurrently.

Fidessa   *New York, NY*
Implementation Specialist   *August 2011–June 2013*

- Translated client goals into clear engineering requirements which could be tested against to prove adherence.
- Migrated international bank's US equity, ADR member trading, and global order routing to Fidessa's trading platform.
- Implemented front-end functionality to calculate and display summary bar on order fills grid for user highlighted fills in FTW (Fidessa Trader Workbench).

Education

Udacity—*Nanodegree, Full Stack Web Developer*   2018

State University of New York at Stony Brook—*Bachelor of Engineering, Computer Engineering*   2010