Brandy Sandrowicz

Personal Data

Work Status in:	United States, Canada
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Objective

Find a job where I can do at least two of the following things: (i) work with interesting people, (ii) work on solving interesting problems, (iii) work on building something great. I am geo-bound to the Toronto area, and am not considering relocating at this time.

Work Experience

Mar 2018 to May 2023

Software Developer at d1g1t Inc.
Toronto, Ontario, Canada
Financial Software for Money Management Firms

- Built a risk level reporting system for money managers with the support of company's financial engineers.
- Worked on both the Python backend and the React front-end systems.
- Built and maintained a system that capable of rebalancing 1000's of financial accounts to match user specified parameters while taking into account various trading restrictions.
- Built and maintained a system for managing trades and batches of trades to be sent to trading systems for execution including processing allocation on receipt of trades.
- Maintained a system that managed transactions for all customer accounts and built them into various levels of reporting for both money managers and their clients.

Technologies Utilized: Docker, PostgreSQL, MongoDB, ElasticSearch, Python, AWS, Django, Django Rest Framework, Celery, Redis, React.js, JavaScript

Oct 2013 to Mar 2018

Lead Software Developer at Sowingo.com Corp.
Toronto, Ontario, Canada
Dental Supply Management and Marketplace

- Built an eCommerce platform allowing sales from 3rd party vendors from the ground-up.
- Built an inventory management system with specialization in tracking oral surgery supplies from scratch.
- Built single page app administration system site admins and 3rd party vendors.
- Built a custom PDF generation system for creating shelving labels.

Technologies Utilized: PostgreSQL, MySQL, Amazon Web Services (EB, S3, EC2, Route53, RDS, VPC, CloudFront, SQS),, Flask-RESTful, Python, Flask, Nginx, Ubuntu Linux, ElasticSearch, SQLAlchemy, Stripe, AngularJS 1.x, GulpJS, GruntJS, Angular-Material, HTML, CSS, JavaScript/ECMAScript, EmberJS, Bootstrap, LESS, Sass, git, TravisCI, py.test

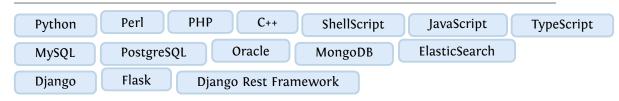|	
AUG 2008 to NOV 2012	Software Developer at Rentrak Corp. Portland, Oregon, USA and Toronto, Ontario, Canada *Media data analysis and auditing*

- Developed cross-platform application in Groovy to interact with POS systems and transmit transaction information back to central server.
- Developed internal CRM to facilitate multiple business units' interactions with customers, including an email gateway, threaded comments, and porting of legacy CRM data.
- Maintained legacy internal applications (including GUIs in Java 1.3, and 'green screens' in C), including adding new features as required.
- Ported competing system (obtained via acquisition) within existing systems, including data import, reporting system changes and data warehousing.
- Optimized database access as volume passed thresholds that reduced performance to unacceptable levels.
- Implemented marketing materials admin interface in HTML/JS, including drag-and-drop sorting.
- Created internal release tool on top of git with Python/Django.

Technologies Utilized: Linux (CentOS), MS Windows, Unify, Oracle, PostgreSQL,, Java, C, Groovy, Perl, Python, Pro*C, Vim, Emacs, Apache, Nginx, Django, SQL*Plus

EDUCATION

AUG 2005	Bachelor of Computer Science in Engineering, **University of Michigan**

TECHNICAL SKILLS

Python   Perl   PHP   C++   ShellScript   JavaScript   TypeScript

MySQL   PostgreSQL   Oracle   MongoDB   ElasticSearch

Django   Flask   Django Rest Framework

OTHER

- Organizer for Pycon Canada 2013, 2015, and 2016