Charles Leifer

Lawrence, KS

OBJECTIVE

A challenging position developing software and services for the web.

SKILLS

- Extensive knowledge of Python, Cython, JavaScript, SQL and Bash scripting
- Passionate about software, having authored many popular open-source projects
- Knowledgable about Linux administration, Postgres, C extensions for Python and SQLite, Redis, Nginx, Apache, Varnish Cache, Git, continuous integration

EXPERIENCE

BATS Global Markets   August 2015 - present

Developing web-based tools to monitor and manage the third largest equities market in the U.S. Built a web interface for sending critical alert messages, integrating with physical alert beacons, desktop software, and SMS.

Counsyl   March 2013 - August 2015

Automating and improving the efficiency of billing for a medical genomic testing company. Developed a powerful trouble-ticketing framework which has improved the efficiency of teams across the company. Many improvements to billing and support infrastructure, leading to increases in revenue and efficiency.

Nerdery / Sierra Bravo   December 2012 - March 2013

Developed software solutions for diverse clients using a variety of technologies. Worked primarily on performance enhancements for a large site, using Python, Postgresql, Memcached and Apache.

Mediaphormedia   July 2009 - November 2012

Developed many sophisticated features for the award-winning content management system *Ellington*. Reduced latency of numerous backend services to deliver faster load-times on high-traffic news sites. Scripted and oversaw complex migrations.

Lazerpro Digital Media Group   June 2008 - June 2009

Developed numerous features for a community website in a busy college town, including an online food-ordering service, classifieds, apartment listings, MLS, local news and weather. Met with clients and members of the sales team to plan and develop custom websites.

ACTIVITIES & HONORS

Co-author of *Learning Flask Framework*, Packt Publishing, 2015

Article on clustering algorithms published in February, 2013 issue of *Hacker Monthly*

College of Liberal Arts and Sciences Honors

Department of English Honors

Summerfield Scholarship recipient, four years

Third place, Djangodash 2010 for creation of *readthedocs.org*

EDUCATION

Bachelor of Arts in English, Honors, December 2006
University of Kansas, Lawrence, KS
GPA: 3.7 / 4.0

OPEN-SOURCE ACTIVITIES

- Co-created readthedocs.org, an open-source documentation hosting site that receives over 8 million pageviews a month
- Authored *peewee*, a lightweight and expressive object-relational mapper written in python
- Wrote a lightweight multi-threaded task queue designed for offloading work outside of the request/response cycle
- Maintain an active programming blog discussing primarily python development