Lilith Carpenter

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Summary   I am a software developer with 8 years of professional experience in areas including functional programming.

Preferred Languages   Ruby, Lisp/Scheme, SQL, C

Areas of Expertise   Functional Programming, Network Programming, Systems Programming, Linux, Virtualization.

Employment History

Intoximeters, St. Louis, MO   **October 2014 – Present**
Web Development

Software Engineer
At Intoximeters I serve as the most senior software engineer, focusing on software development for the Intoxitrack program management tool.

- *Typescript, Javascript, Angular.js, Frontend Web Development*: Maintain, develop, and test an existing Angular.js 1.6 application while spearheading efforts to use updated technologies when possible. Lead updating to latest Angular.js.
- *Ruby, Backend Web Development*: Maintain, develop, and test a JSON API based rails application while continually pushing updates(including security) and best practices. Lead update from Rails 3 to Rails 4.
- *Postgresql, Databases*: Continually maintain, write, and analyze SQL queries, schema, and views for the IntoxiTrack application. Aid in deploying and configuring.
- *AWS, Chef, Various Supporting Tech, DevOps*: Aid DevOps team member(s) in maintaining, troubleshooting, and auditing the cloud infrastructure running and supporting the Intoxitrack application.
- *Mentoring, Leadership*: Mentor team members in software development best practices. Assist team members in learning and utilizing new technologies, and aid in the evaluation of technologies for adoption into the application.

Camber Corporation, O'Fallon, IL   **December 2012 – October 2014**
Cybersecurity

Software Developer
At Camber I worked as a software developer on the CENTS team designing and developing network training simulators for use by DOD and commercial customers.

- *Mentoring, Leadership*: Mentor team members in software development best practices. Assist team members in learning and utilizing new technologies, and aid in the evaluation of technologies for adoption into the system.
- *Agile, SCRUM*: Aid prioritization of business and development requirements. Iterate with users and .
- *Ruby, Networking*: Developed a middleware framework to manage external applications interfacing with Metasploit for attack and traffic generation and execution, including a system to create and deploy custom attack content libraries.
- *C, Ruby, Bash, Debian*: Developed disk partitioning and formatting tools, hardware detection tools, and network configuration tools as part of a custom installation process for a customized version of Debian GNU/Linux
- *Ruby, Debian*: Developed a custom system backup and restore tool allowing a user to create and restore from versioned backups of a multi-server system.

Total Highspeed, Nixa, MO   **March 2012 - December 2012**
Web Development and Tech Support

Tech I/Software Developer
At Total Highspeed I answered phones and provided technical support while maintaining the company website in PHP and implementing business applications in Python/Django.

Fury Codes LLC, Springfield, MO   **March 2011 - August 2011**
Web Development

Code Ninja
At Fury Codes LLC I worked on a large existing Python/Django inventory system and managed multiple e-commerce solutions including Magento.

Ozarks Technical Community College, Springfield, MO   **January 2010 - March 2011**
Web Development and Operations

Technical Services Technician
At OTC I primarily researched new technologies for potential use in their infrastructure. In addition, I wrote scripts and small web applications in Perl, PHP, and bash while assisting with deployments.

Meetup Talks

- **Beginning Clojure** https://gitlab.com/azrazalea/beginning-clojure-presentation
- **Prisoner's Life** https://gitlab.com/azrazalea/prisoners-life-presentation
- **Clojure Core** https://gitlab.com/azrazalea/clojure-core-presentation
- **Lisp Game Development** https://gitlab.com/azrazalea/lisp-game-dev-presentation
- **State of the Lisp Family** https://gitlab.com/azrazalea/state-of-lisp-family
- **Lisp Flavored Erlang** https://gitlab.com/azrazalea/lfe-presentation

Other

- AAS in Network Technology
- Founded the St. Louis Lisp Users Group
- Lead the St. Louis Clojure Users Group