

JEFFERY BURROUGHS

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LEAD SOFTWARE ENGINEER with in-depth experience programming with Angular.js, HTML, CSS, Node.js, JavaScript, LoDash, PHP, and CSS. Adept in web application design, implementation, and deployment. Consistently designs high quality applications and easy to maintain code. Exceptional communicator and positive team leader; consistently translates the benefits of soft skills to improve teamwork and productivity.

EXPERTISE

AngularJS - 7/10 * JavaScript - 7/10 * HTML/CSS - 9/10 * Node.js - 7/10 * Java - 8/10 * LoDash - 6/10 * D3.js - 5/10
* IntelliJ IDEA - 8/10 * Git - 8/10 * SVN - 7/10 * JSP - 7/10 * JIRA - 8/10 * Bootstrap - 7/10 * Stash - 6/10 *
MongoDB - 7/10 * ExpressJS - 6/10 * C# - 6/10 * C++ - 7/10 * Agile Methodology - 7/10 * jQuery - 7/10

KEY ACHIEVEMENTS

- Lead Engineer on Xiphos UI for current project.
- Founder of University of Wyoming Collegiate Cyber Defense Team (Cyber Defense Action League)
 - 1st Place North Central Regional CCDC 2011
 - 5th Place National CCDC 2011
- Rewrote key PBX reporting SQL query. 9 hour query reduced to 15 minutes. $O(n^3)$ query rewritten to $O(n)$.
- Reduced reporting times from about 4 hours a day to about 5 minutes with automation in Python script.
- Junior architect remotely deployed computational clusters and enabled system-wide centralized control.
- Cofounder of DefCon Group 254 in Waco, TX.
- As student senator helped to oversee use of \$750,000 student senate budget

PROFESSIONAL EXPERIENCE

SOFTWARE ENGINEER II | AKAMAI TECHNOLOGIES, INC.

June 2015 – Present

- Lead programmer on Xiphos 2 front end, entering tickets in JIRA, tracking progress, reporting
- Designing and implementing user interface for Xiphos 2 (Angular, JS, HTML, CSS, API)
- Programming in html, css, php, supporting legacy products
- Assisting with refinement and support for internal tools user interface
- Created, refined and maintained library of routing script templates for internal tools

APPLICATION SOFTWARE ENGINEER | AKAMAI TECHNOLOGIES, INC.

October 2014 – June 2015

- Assisting with SOCDash2 and SOCDash3 upgrades, bugs, and maintenance (PHP, MySQL, Salesforce)
- Assisting with Routed as a Product front end work (Angular, Node, JS)
- Programming in html, css, php, supporting legacy products
- Assisting with refinement and support for internal tools user interface
- Created, refined and maintained library of routing script templates for internal tools

IT PROGRAMMER AND DEVELOPER | S2G - SUPPORT SERVICES GROUP, INC.

May 2014 – August 2014

- Solve complex administration problems using Bash, Python, Expect, Cron, Mutt, Sed, and Grep.
- Maintain reporting frameworks using Bash scripting, Java, HTML, JSP and MySQL databases.
- Administer database system using MySQL, MySQL Workbench, SQL Scripting, and direct manipulation of DB system.
- Maintain IBM BladeCenter chassis, Fibre Channel, SAN, PBX, and Routing/Switching equipment.

QUALITY ASSURANCE ENGINEER | RED LAMBDA, INC.**May 2011 - November 2013**

- Conducted product testing for MetaGrid using Scrum methodology including but not limited to product security, ease of use, functionality, functional correctness, and aesthetics
- Designed and implemented web-based solutions to track and distribute employee product testing data. Completed web development using Linux, Apache 2, MySQL, and PHP.
- Developed product related ease of use scripts and software for dynamically updating artifacts repository, booting of grid infrastructure, and job creation using Java, PHP, MySQL, and Bash.
- Created web-based automated testing framework for reporting test cases/suites optimized across multiple hardware clusters with little to no human action using Perl, Bash, PHP, and MySQL.

CONTRACT SOFTWARE ENGINEER | SNOWFLY, INC.**October 2009 – January 2011**

- Assisting with work place incentive software upgrades, bugs, and maintenance (Java, JSP, MSSQL, Spring WebFlow, Spring MVC)
- Creating efficient MSSQL queries and triggers

SYSTEMS ADMINISTRATOR AND PROGRAMMER | WYOMING ENERGY COUNCIL, INC.**April 2008 - December 2010**

- Developed/implemented an effective solution to track contract jobs using C#, ASP.NET, MSSQL, CSS, and HTML.
- Post development was able to increase performance in reporting and lookups by 75%.

SECURITY INTERN | SOUTH DAKOTA STATE UNIVERSITY**May 2010 – August 2010**

- Using wireshark to capture traffic
- Sanitizing attack traffic
- Classifying attack traffic
- Build presentation of bundled attack traffic pcaps and mitre data for education

CREDENTIALS

BACHELOR OF SCIENCE – COMPUTER SCIENCE – University of Wyoming, Laramie, WY * DC254 – Founder * DefCon 21/22 SkyTalks – Grunt * DefCon 22 – Information Booth Goon * 2013 NCCDC – Orange Team * UW Collegiate Cyber Defense Competition Team – Captain/Member * High Plains Chapter of ACM – President * Wyoming Alpha Chapter Upsilon Pi Epsilon – Charter President * Cyber Patriot Program – Mentor * University of Wyoming Student Senate - Engineering Senator * COSC Representative for Engineering Fund for Enrichment

PUBLICATIONS**ATTACK TRAFFIC LIBRARY FOR TESTING AND/OR LEARNING****ISAS – March 27, 2011**

Combining PCAP attack library, CAPEC definitions, and SNORT IDS rules to aid in classroom learning environments.

To download the document directly from the ISAS 2011 site go to:

http://www.iiis.org/CDs2011/CD2011IMC/ISAS_2011/index.asp?id=0&area=7