Warren 'Austin' Roberts IV

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github.com/ausiv   bitbucket.org/ausiv4

Objective

An opportunity to use my technical and leadership skills to make a difference in an organization with an important mission.

Related Experience

Computerized Assessments & Learning   Lawrence, KS

Application Architect   May 2016 - Present
- Led Agile team in designing and developing multitenant services to manage client-specific business rules in a data-driven fashion.

DevOps Lead   Aug 2015 - May 2016
- Took lead of DevOps team after complete staff turnover of the team, maintaining business continuity.
- Streamlined environment deployment process using Saltstack and HEAT (for OpenStack) to reduce environment provisioning process from weeks to hours.
- Lead load testing initiative that optimized key Tomcat applications from supporting 40k simultaneous users to over 100k simultaneous users.
- Maintained Maven and Jenins based Continuous Integration platform, and Python based deployments system.

Propylon   Lawrence, KS

Software Architect   Jan 2013 - Aug 2015
- Improved company-wide development processes:
    - Deployed mandatory code review software and procedures
    - Improved continuous integration and client software delivery
- Designed and managed development of new product lines across mobile devices and realtime web applications
- Architected and built high availability, scalable web application on the Amazon Web Services infrastructure
- Improved hiring and technical on-boarding processes

Technical Team Lead   Jan 2012 - Jan 2013
- Design document management technologies and development tools
- Lead developers and system administrator through development process
- Hire and train new technical staff

Backend Software Developer   Dec 2010 - Jan 2012
- Extended, optimized, and maintained legislature website
- Developed document management and data entry framework

IV Consulting   Tulsa, OK

Cofounder / **Software Developer**   2010
- Built HIPAA compliant subject tracking system for a research institute
- Developed with Django web framework with a PostgreSQL database

University of Tulsa   Tulsa, OK

Graduate Research Assistant   2009-2010
- Research into Security Engineering tools and code analysis
- Curriculum development for Security Engineering courses

Teaching Assistant   2009-2010
- Taught scientific programming lab in Matlab for Engineering students

Additional Experience

js-spellcheck , Open Source Project   2012
- Developed a space efficient, 100% browser-side spell check library in JavaScript.

Mitigating Automated Patch-Based Exploit Generation , Master's Thesis   2010
- Identified vulnerability in most modern software update systems & Architected and built more secure update distribution system

Collegiate Cyber Defense Competition, University of Tulsa   2010
- Participated in cyber defense competition maintaining secure systems in a hostile environment

Publications

Transparent Emergency Data Destruction   April 2010
- 5th International Conference on Information Warfare & Security

Blunderdome: An offensive Exercise for Building Network, Systems, and Web Secrutiy Awareness   Aug 2010
- CSET Workshop at The Usenix Security Symposium

Certifications

Federal Information Assurance Certificates
- CNSS 4011: Information Security Professional
- CNSS 4012: Senior System Manager
- CNSS 4013: System Administrator
- CNSS 4015: System Certifier
- CNSS 4016: Risk Analyst

Education

M.S. in Computer Science, University of Tulsa, Tulsa, OK   Dec 2010
Concentration in Information Security
GPA: 3.75

B.S. in Computer Science, University of Tulsa, Tulsa, OK   May 2009
Minor in Mathematics
Concentration in Information Security
GPA 3.4

Technical Skills

Languages	Python, Javascript/CoffeeScript/TypeScript, Node.js, Java, C/C++, LaTeX, ASP.Net / C# (Mono), BASH
Tools:	SaltStack, Maven, Jenkins, Git, Subversion
Frameworks:	Django, Google AppEngine, Gevent, jQuery, AngularJS, Amazon Web Services
Software:	Mathematica, Matlab, MySQL, PostgreSQL, Apache HTTPD, LibreOffice, Microsoft Office
Operating Systems:	Windows XP/7/10, Ubuntu Linux, Mac OSX, RHEL 6 / 7, CentOS 6 / 7