SETH PARSON

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| 3972 N Shelby Ln, Douglasville, GA 30135 ~ (Cell) 770-765-7384 ~ seth@parson.email |

Objective

Linux Backend Software Engineer / DevOps

Working Knowledge

**DOD**: Top Secret / SCI SI/TK/G clearance, familiar with STIGs, DISN services  
 **Languages**: ASM, C/C++(Cross platform), Java, Python, PHP, LUA, SQL, HTML, CSS, Perl, Shell, Ruby/Ruby on Rails, JavaScript

**Frameworks:** Google Web Toolkit (GWT), Pixi.js, Bootstrap, jQuery  
 **Applications**: Eclipse, Notepad++, Codelite, Apache2(LAMP), GNS3, Nmap  
 **Operating Systems**: Windows, GNU/Linux (Debian / Ubuntu / CentOS /RedHat), BSD variants, Solaris, Unix  
 **Database Systems**: SQLite, SQL Server, MySQL, NoSQL, Oracle  
 **Repository Software**: Mercurial, Subversion, GIT (<https://github.com/sethcoder>)  
 **Projects**: RFSCMS, NukeDX, SDL Simple Direct Media Layer  
 **Certifications**: Security+, CCNA  
 **Equipment knowledge**: Nortel CS2100, 5300, MSL-100, Cisco Call Manager

Experience

**DevOps Engineer**

Matrix Resources

February 2015 – Present

Hours per week: 40

Salary: $100,000 per year

- Lead senior engineer responsible for complex lead management system.

- Deployed and maintained 30 websites with over 10,000 domain names. Used google tools such as analytics, and web master tools to significantly increase web traffic.

- Managed domain names with custom developed website tool /cron jobs which updates the domain records for domains. Implemented shorter methods to change DNS records.

- Engineered automated regression testing for lead generation and verification using command line Selenium web drivers (WATIR/Ruby scripts) for debian/ubuntu machines.

- Developed back end frameworks with PHP / Linux systems to automate lead management delivery into Sugar CRM. Used various methods of delivery such as RESTful services, SOAP, CURL, WGET, cron and other methods.

- Created API for lead deliveries from third party lead vendors.

- SDLC and weekly meetings to discuss customer's needs with full dev, qa and production environments. Subversion SVN was used to maintain code repository.

- Guided and Supported needs of other developers within the organization.

- Troubleshoot and correct problems anywhere within the enterprise system.

- Worked with Asterisk VOIP servers, configuration management, created and staged call files for SMS.

- MySQL / Sugar/Suite CRM database performance tuning to maximize efficiency.

- Worked with hundreds of virtual and actual machines set up throughout 3 different data centers to ensure redundancy.

**Software Engineer**

Northrop-Grumman Xetron

October 2014 – Present

Hours per week: 40

Salary: $160,000 per year

- Agile web development with Google Web Toolkit as view, and Ruby On Rails as model and controller. (Two week sprints)

- Automated website testing with Selenium, and spork

- Automated compilations on VMWare (Ubuntu and Windows) with Python, and WExpect (Windows Expect)

- Updated repositories using Mercurial

- Configured and administered GNU/Linux, Unix, and Windows Servers and Desktop Virtual Machines

**Cyber Transport Craftsman, 3D1X2** [United States Air Force](http://www.linkedin.com/company/157235?goback=.nmp_*1_*1_*1_*1_*1_*1_*1_*1_*1_*1_*1&trk=prof-exp-company-name)September 1994 – October 2014  
 Hours per week: 40

Salary: $70,000 per year

- Developed training web server using GNU/Linux(Debian/Ubuntu), Apache2, MySQL & PHP (LAMP) with a virtual GNS3 network back end tied to real Cisco networking equipment for the US Air Force Cyber Transport (3D1XX) career field

- Automated communications to Cisco devices using PHP, PERL, and Expect

- Configured and maintained DHCP, FTP, TFPT, HTTP, DNS(bind9), and other TCP/IP based servers

- Programmed C/C++, PERL, PHP and Python scripts

- Configured and administered GNU/Linux, Unix, and Windows Servers and Desktop Virtual Machines

- Worked with Pentagon and White House Communication Agency to ensure 100% voice and data telecommunications uptime between Andrews AFB, The White House, and Pentagon  
- Served as manager of the Video Teleconference Center (VTC) for Air Forces District of Washington command. Maintained security keys for VTC equipment

- Base Squadron Environmental Manager at RAF Alconbury, UK. Working knowledge with maintaining MSDS safety program.

- Managed TMDE (Testing Measurement and Diagnostic Equipment) program for base while stationed at RAF Alconbury, UK

- Coordinated installs and repairs of commercial circuits between US Air Force and British Telecom and other commercial companies  
- Developed emergency dialing plan used by British Telecom for the US Air Force

- Upgraded base telephone switch software 5 times and changed base from 5 digit dialing to 7 digit dialing plan. (Nortel DMS-100)

- Activated contingency hospital telephone system for evacuation base in Punsan, South Korea  
- Led teams to install and troubleshoot various electronic systems, telephone and data circuits. Maintained over 20,000 circuits for Andrews AFB, Andersen AB, RAF Molesworth, RAF Alconbury, Lackland AFB, and Kelly AFB. Installed and maintained various telephone PBX systems. Installed remote access circuits to 85 PBX systems; enabled remote programming

Education

**Community College of the Air Force** Electronic Systems 1994 – 2010 **University of Phoenix** Computer Science 2004 – 2006  
 **University of Maryland University College** 1998 – 1998