SETH PARSON

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Objective

Software Engineer

Working Knowledge

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

**Frameworks:** Google Web Toolkit (GWT)  
 **Applications**: Eclipse, Notepad++, Codelite, Apache2(LAMP), GNS3, Nmap  
 **Operating Systems**: Windows, GNU/Linux, BSD, Solaris, Unix  
 **Database Systems**: SQLite, SQL Server, MySQL, NoSQL  
 **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

**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