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For the most up to date copy of this resume see <http://defaria.com/resume>





[Validation Number: 4Q2XDJDCK1EE1HC5](http://clearscm.com/Resumes/Andrew/AWS Certified Solutions Architect - Associate certificate.pdf)

# Operating Systems

Linux (Redhat, Centos, Ubuntu), Windows, Unix (Solaris, HP-UX), [Cygwin](http://cygwin.com/)

# **Networking**

TCP/IP, Windows and Linux Networking, Active Directory/LDAP, Samba

# Software

|  |  |
| --- | --- |
| **Version Control Systems** | Git, Perforce, Clearcase |
| **Issue Tracking** | JIRA, Clearquest,Bugzilla |
| **Languages** | Perl, Bash, PHP, C++, C, Ada, TCL |
| **Configuration Management** | Puppet, Ansible |
| **Middleware** | Apache, Tomcat, Samba, Winbind, LDAP, REST |
| **Web apps** | JIRA, Confluence, Swarm |
| **Databases** | MySQL, Oracle |
| **Continuous Integration** | Jenkins, Electric Commander |
| **Virtualization** | VMWare, VirtualBox |
| **Cloud Computing (Classroom Only)** | AWS: EC2, IAM, S3, Glacier, CloudFront, Route53, VPC, Docker |

# Education

A.A.S. in Computer Science from Union County College in Scotch Plains, New Jersey. Continued studies at Fairleigh Dickenson University, San Jose State University, Mission College and Chico State in pursuit of my degree.

[**WellsFargo**](https://www.wellsfargo.com/)

**Perl Developer**

July 2019 – Present (Contract)

Responsible for maintaining a Perl application written using the Dancer framework called UserPro. Tightened security by standardizing access to database as well as implemented an auditing facility for changes made to database records.

[**General Dynamics**](https://defaria-status.blogspot.com/search/label/General Dynamics)

**Solaris Administrator, PuppetMaster**

March 2018 – April 2019 (Contract)

Instrumental in setting up and maintain dozens of Solaris 5.11 zone systems and served as the primary Solaris System Administrator. Setup of NIS, DNS, NTP, SMTP, AutoFS.

Introduced Puppet to the group and served as the Puppet Master.

Created Windows based VMs for specific roles such as BuildForge Console, Application server, Domain Controllers, etc. These were managed under vCenter.

Developed Perl scripts for validation testing of Clearcase and Clearquest. Developed a Clearcase enhanced monitoring tool to monitor servers, loadavg and filesystems as well as Clearcase objects like VOBs and views.

**Broadcom**

**Devops Engineer**

August 2016 – January 2018 (Contract)

Converted an internal project from a Jenkins/Perforce build system to the Broadcom/Avago standard of Electric Commander/Git. Developed Perl scripts to sign of executables and remotely execute commands on Windows systems using Cygwin/ssh thus streamlining and standardizing remote building and signing of executables.

**ICANN**

**Python Developer**

May 2016 – July 2016 (Contract)

Developed [RDAP](https://en.wikipedia.org/wiki/Registration_Data_Access_Protocol) server for testing SLA compliance of various TLD registrars around the world.

**Knowles**

**JIRA/Perforce/Linux Administrator**

March 2014 – April 2016 (Contract)  
  
Migrated project data into JIRA. Administered Linux (Centos/Ubuntu/Redhat Enterprise) managing VM images in Vsphere, Perforce, Swarm, Git Fusion.

Added functionality to custom build system that utilized Perl/PHP/Apache/Linux/Windows servers to allow engineers in the field to remotely perform customized builds. Integrated Bugzilla and Perforce (P4DTG). Assisted with JIRA setup and integration of Salesforce with JIRA. Assisted domain migration.

**Axcient**

**Build Release Engineer**

July 2013 - Dec 2013 (Contract)

Worked as a Build and Release Engineer for AxOS. The Axcient product is a customized derivative of Ubuntu. The SCM system being used is git. Developed and standardized procedures for performing builds.

**Broadcom**

**Clearquest Admin**

December 2011 – April 2013 (Contract)

Maintained Clearquest instances with Visual Basic custom code. Using ClearSCM's [Clearquest](http://clearscm.com/php/scm_man.php?file=lib/Clearcase.pm), [Clearquest::Client](http://clearscm.com/php/scm_man.php?file=lib/Clearquest/Client.pm) and [Clearquest::REST](http://clearscm.com/php/scm_man.php?file=lib/Clearquest/REST.pm) modules created Perforce and Git triggers to automate builds updating Clearquest in the process.

Migrated projects from their unsupported build environment into the standard [Electric Commander](http://www.electric-cloud.com/products/electriccommander.php)/Perforce based solution using Cygwin, Bash, Visual Studio 8.0, 9.0 and 10.0 Windows Servers triggered by Perforce triggers at code checkin.

[**Tellabs**](https://defaria-status.blogspot.com/search/label/Tellabs)

**Perl Developer**

March 2011 – December 2011 (Contract)

Automated various informational systems using Perl/MySQL/Oracle and the web.

Developed a command line debugger called [RAID](http://clearscm.com/php/scm_man.php?file=bin/raid) which provided a consistent interface with complete command history and variable substitution courtesy of a Perl module that I wrote called [CmdLine.pm](http://clearscm.com/php/scm_man.php?file=lib/CmdLine.pm). This Perl process utilized Inline::C to interface to the developer libraries and provide a consistent interface for the various command line debuggers developed by various different groups.

[**GE Healthcare**](https://defaria-status.blogspot.com/search/label/General Electric)

**Clearcase/Clearquest Administrator**

January 2010 – October 2010 (Contract)

Performed Clearcase/Clearquest UCM administration. Developed an [Evil Twin Finder](http://clearscm.com/php/scm_man.php?file=cc/etf.pl) in Perl. Worked with Build Forge (IBM’s CI tool similar to Jenkins) jobs to automate work flow. Assisted in consultations with UCM concepts such as component/composite baselines and projects. Wrote Perl scripts for conversions of Clearquest data with other systems (Siebel).

[**General Dynamics**](https://defaria-status.blogspot.com/search/label/General Dynamics)

**Clearcase/Clearquest/Release Engineer**

June 2007 – October 2009 (Contract)

Clearcase/Clearquest Administrator, Build Release and Automation using Perl scripts. Updated C++/Qt application that integrates UCM/Clearquest integrated environment into one tool and ported it to Linux.

Developed a test driver application using [NetHawk EAST Simulators](https://www.nethawk.fi/products/nethawk_simulators/). Automated regression tests, official testing before the customer, assists with validation of test results, collecting of log files, recording of text execution status into a MySQL database. Developed a PHP web page to present the data in various forms including graphs, reports, exporting to CSV files and emailing of reports. Implemented maintenance programs to scrub and keep the data clean. This system reduced the time it took to certify testing with the military several fold.

[**Texas Instruments**](https://defaria-status.blogspot.com/search/label/Texas Instruments)

**Clearcase/Clearquest Administrator**

October 2006 – June 2007 (Contract)

Clearcase/Clearquest Administrator. Wrote a Perl/Oracle application to track information about projects worldwide. Automated Clearcase license usage reporting and load balancing of Clearquest web servers.

[**Hewlett Packard**](https://defaria-status.blogspot.com/search/label/HP)

**Build Release Engineer**

February 2006 – October 2006 (Contract)

Served as Build Release Engineer as well as Clearcase/Clearquest Administrator. Wrote UCM triggers to notify users of deliveries from UCM development streams. Created baselines for official builds. Augmented this build script to be a daemon that continually builds software when deliveries are detected. Wrote a build status web page that tracks and monitors the continuous building. Created a dynamic web page to show Junit test history. Converted Windows build from bat files and scheduled tasks -> Cygwin and cron thus making the build script identical on both Linux and Windows.

[**Broadcom**](https://defaria-status.blogspot.com/search/label/Broadcom)

**Clearcase/Clearquest Administor**

September 2005 – January 2006 (Contract)

Developed a complex [Perl script](http://clearscm.com/clearquest/db.php) to merge two Clearquest databases to a new database with many schema changes. This script handled all aspects of the conversion including changing non US ASCII characters found in the data to their HTML equivalents, dynamic creation of dynamic lists, field renaming and dynamically creating new stateless records as needed.