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

# Objective

To work with state of the art operating systems and networks to insure the smooth running of an organization's information flow.

# Hardware

Workstations and servers from Sun, HP as well as various other manufactures of Linux systems.

# Operating Systems

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

# Networking

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

# Software

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

# 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.

# References

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| [Tom Connor](http://www.linkedin.com/profile/view?id=276869) | (512)-422-1172 | [@yahoo.comtomhillconnor](javascript:void(0)) | Coworker, Consultant |
| [Jame Chen](http://www.linkedin.com/profile/view?id=700521) | (408)-845-5360 | [jchen@salira.com](javascript:void(0)) | Vice President of Engineering, Salira Optical Network Systems |
| [Omair Ahmed](http://www.linkedin.com/profile/view?id=12113821) | (224) 715-9786 | [omair.ahmed@ge.com](mailto:Omair.Ahmed@ge.com) | Coworker, General Electric |
| [Shivdutt Jha](http://www.linkedin.com/profile/view?id=1023014) | (408)-806-3476 | [shivdutt\_jha@hotmail.com](javascript:void(0)) | Coworker, Consultant |

## Clients



**Broadcom** August 2016 – Present (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** 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.



A Knowles Company

[**Audience**](https://defaria-status.blogspot.com/search/label/Audience)March 2014 – April 2016 (Contract)  
  
**Devops Admin:** Initially wrote scripts to import data from **Bugzilla** and other sources to **JIRA** thus automating the migration of several projects. Also 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 in the migration for users to new Knowles domain.



**Axcient** 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**](https://defaria-status.blogspot.com/search/label/Broadcom)December 2011 – April 2013 (Contract)

**Clearquest Designer**: Maintained Clearquest instances implementing functionality with **Visual Basic**. 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 a project from their unsupported build environment into the standard [**Electric Commander**](http://www.electric-cloud.com/products/electriccommander.php)/**Perforce** based solution using **Cygwin**, **bash** and **LSF** to farm builds out to a pool of **Windows** servers to perform builds. Builds were done using **Visual Studio** 8.0, 9.0 and 10.0 Windows Servers triggered by Perforce triggers at code checkin.

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

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

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

Instrumental in establishment of Perl standards and introduction of Perl tools such as [Perl::Critic](http://perlcritic.com/) and [Perl::Tidy](http://perltidy.sourceforge.net/). Worked at promoting usage of CPAN modules.

Automated tests using [NetHawk EAST Simulators](https://www.nethawk.fi/) to automate all testing and store results into a **MySQL** database. This reduced the time it took to certify testing with the military several fold. Also developed a **PHP** app to report/graph results.

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[**Texas Instruments**](https://defaria-status.blogspot.com/search/label/Texas Instruments)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)February 2006 – October 2006 (Contract)

**Clearcase**/**Clearquest** **UCM** Administrator. Wrote triggers to notify users of deliveries. Baselined official builds. Automated the build process to perform simple **continuous integration**. Created a dynamic web page to show **Junit** test history.

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[**Broadcom**](https://defaria-status.blogspot.com/search/label/Broadcom)September 2005 – January 2006 (Contract)

**Clearcase**/**Clearquest** Administrator and support of systems. Developed several [triggers](http://clearscm.com/clearcase/triggers.php) .

Wrote [Perl script](http://clearscm.com/clearquest/db.php) to merge Clearquest databases

Designed and developed another Clearquest database for the Mobile Multimedia group.

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