**Brian L. Teal**

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**EMPLOYMENT OBJECTIVES:**

UNIX/Linux System/Applications Administrator, ksh/bash/Perl/expect Programmer, HTML Developer, CGI Programmer, Systems Engineer, Systems Support, Operations

**EDUCATION:**

Lake Superior State University, Sault Saint Marie, Michigan 1974

Bachelor of Science in Electrical Engineering and Associates in Computer Engineering.

Monroe County Community College, Monroe Michigan, 1972

Associates of Science in Electrical Engineering.

**Employment:**

2/18– 7/18, Coca-Cola Company, Atlanta GA. (contract)

Linux Administrator. Develop code for AWS CodeDeploy. Worked with Azure team on conversion from Siteminder to Azure multi factor authentication. This included insulation of Apache proxy servers from AWS CodeDeploy to 13 development, test and production instances. The bash script would retrieve RPM modules via the firewall using yum and git to install the Apache components before httpd startup. The program was able to install, stop, start, status, clear and recover previous installs in any combination and sequence either from CodeDeploy or the command line.

9/15 – 6/17, Georgia Department of Labor, Atlanta GA. (contract)

Developer/Programmer. Linux Administrator. Develop automation programs for application support of the re-hosted mainframe CICS system. This was a new, large scale, RedHat Linux installation established to re-host 12 CICS regions in 5 domains, prod, qa, dev, qa, training and lab. The first task was to develop perl and ksh programs to convert sequential and VSAM ebcdic data to ascii. Dell provided basic scripts to start/stop re-host components (TPE, BPE, batch node, CICS regions, DataAdvantage . . .), I split them out to perform start/stop/status functions that will perform within wrapper scripts for all domains, all regions and all instances. I then created an environment system for standard re-hosted scripts to operate across all domains/servers yet sensitive to the instance they were running under. I then created a menu driven system of tools to manage the entire system including monitors. An entire re-hosted CICS instance can be started/stopped/statused from a single menu selection. I then built a web dashboard from which all 5 instances could be managed from the single web site. The site is hosted on the dev server and used ssh via expect to manage all domains.

10/14 – 9/15, Macy’s, Johns Creek GA. (contract)

Developer/Programmer. Member of batch/test and validation team for the release of Macy's PACE (Planning is About the Customer Experience) application. My assignment was to automate the tedious and time-consuming process of validating the Teradata database against the master metadata definition Excel spreadsheet it is modeled after. I created ksh and perl scripts using SQL to populate the Teradata database with known and randomly generated data, validate the Teradata tables with the database data, then validate the exported outbound flat files against the Teradata tables. These programs reduce the staff to validate a new release from 4 contractors to a single staff member and validation time from 2 weeks to lass then a day.

I also participated in the migration of 30K jobs from Tivoli Workload Scheduler (TWS) to Control-M. I received extensive Control-M training to establish node groups, smart tables, calendars, jobs, triggers … to replace the existing TWS batch system. I wrote several ksh and perl scripts using ctm API commands to create and control job flow as well as backend batch jobs.

3/14 – 8/14, E\*Trade Financial, Alpharetta GA

Sr. Staff Systems Engineer, Tools and Automation Group. Design, develop, code, test and implement dashboard interface to CBSS job scheduler application. Site backend written in perl using DBD::Oracle for database interface and extensive javascript and ajax on the frontend. I wrote various perl and ksh utilities to assist with interim deployment of automation code between scheduled build and rolls. Worked with CONTROL-M batch scheduling system, Nagios application monitoring, build and roll framework (perl), Elasticsearch/Kabana log collection and visualization, used Jenkins with subversion for versioned builds.

11/13 – 2/14, AT&T Digital Life, Atlanta GA. (contract)

Business Analysis, Digital Life Tier3 Support. Automation of support processes for international tier3 support group. Developed Linux environment and utilities to reduce effort and time to resolve support issues.

8/13 – 11/13, CNN, Atlanta GA. (contract)

Sr. Application Eng. Video Processing Services. Created perl utilities to collect, merge and parse application logs from video transcoders. Developed tcl/expect programs which could be called from bash scripts and perl CGI HTML dashboards to modify transcoders configurations on the fly. Developed several ksh and bash script wrappers around sftp utilities to fetch logs and deliver reports as required.

12/12 – 7/13, AT&T IT Services, Alpharetta GA. (contract)

Developer/architect for iPasS cloud services. Used agile processes to develop a large-scale application log collection facility called DLS (Distributed Log System). Scrum team lead hosting daily standup meetings to insure bi-weekly sprints were complete and user stories represented project requirements. The project was based on opensource software from Logstash, Redis, Elasticsearch and Kibana written in java and Ruby. This project also included packaging and distribution of DLS components and customer configurations to potently thousands of physical and virtual servers in the AT&T cloud. Perl and ksh programs were written to control, merge and manage each server-based installation. Produced wiki documentation to support system installation and customer user guide.

3/07 – 12/12, UPS Supply Chain Solutions, Alpharetta GA. (contract)

UNIX Middleware Developer. Our group is responsible for file transfers to and from customers, between internal UPS UNIX and NT servers, routing to and from translation servers and various application servers. The majority are ASCII EDI/XML files containing customer product orders, warehouse stock information, product carrier reports, etc. The primary transport methods are ftp, sftp, VAN, PC32, AS2, ANX and Frame Relay. Internal movement of files for translation and mapping is done with WebSphere and MQ Series. Responsible for enhancing, automating, standardizing and improving the utilities and tools used to transport data both internally and externally. Developed a drop in replacement for ftp/sftp in perl using Net::FTP and Net::SFTP. It included proxy, automatic archiving, verbose logging, local and remote file locks, use of site and quote commands, put and get as hidden files, failed transfer recovery and several other features. Represented Middleware during customer BNA (Business Needs Analysis), design and implement data flow agents for projects. Developed PHP type dynamic dashboards to create, manage and deploy agents through DEV, UAT and PROD domains.

**Additional employment history available on request.**