

I enjoy a rich blend of development and operations skills ranging from assembly, C, bash, to Bamboo. I have a great appreciation for declarative programming and enjoy discovering new ways to combine different technologies.

TECHNOLOGIES

Continuous Integration: Jira, Bamboo, TeamCity
Version Control: Bitbucket, Git, Github, Mercurial, RCS, CVS
Languages: bash, ksh, C, C++, Objective-C, Perl, Python, XSD, XSLT
DevOps: AWS, Chef, Docker, Xen
Clusters: LoadLeveler, LSF
Databases: MariaDB, MySQL, PostgreSQL
Application Servers: Nginx, Apache, Dovecot, Lighttpd, Postfix, Tomcat
Systems Administration: Cisco, EnGenius, Munin, Nagios, New Relic

EXPERIENCE

Global Foundries, Essex Jct, VT **March 2017 to date**
Sr. Level Software Engineer

- Responsible for updating semiconductor design validation software
- Support semiconductor design data extraction software
- Trouble shoot metrology recipe automation data creation
- Develop and maintain software for publishing semiconductor design files in USA, Germany and Singapore

ClearBearing, Inc., Essex Jct, VT **May 2016 – March 2017**
Network Engineer

- Provide immediate resolution to a wide range of technical emergencies across New England
- Provide technical support for Milne Travel agents and their reservation software
- Consulting

OpenTempo, Inc., Williston, VT **April 2015 – February 2016**
Senior Cloud Administrator (DevOps)

- Developed a cloud infrastructure audit system; instrumental in achieving SOC-1 compliance
 - Monitored production and pre-production systems for configuration and security related changes
 - Facilitated a weekly system health and security audit
- Responsible for a daily monitoring, report analysis, log analysis and issue escalation
 - Scripted tools to automate server data collection
 - Created a tool to generate a network topology map, by automatically discovering servers in the AWS cloud
- Maintained and Operated a Chef/Opsworks based cloud infrastructure
 - 20-25 Amazon Linux EC2 Instances, backed by 8-10 RDS Postgres database instances
 - Improved and simplified system admin team documentation and security by organizing and automating ssh connection credentials, server addresses, and permission related tool sharing

Laureate Learning Systems, Inc., Winooski, VT **May 1990 – September 2014**
Developer / Systems Administrator

- Software Development
 - Wrote language development software in multiple programming languages for multiple platforms
 - Designed a RESTful web service for read/write cloud storage of student lesson data
 - Bash scripting with xsltproc and custom xslt templates
 - Streamlined production of product installers and command line CD-ROM mastering
 - Email newsletter production
 - Website generation
 - Automated site map updates
 - Automated RSS feed updates
 - Apple Developer Program Team Agent; managing certificates, app ids, devices, provisioning profiles
 - Write DLLs in C to provision custom windows language development workstations
- Front-end and back-end web development
 - Multiple document regex editing with perl
 - MySQL, PHP, and JavaScript
 - WebStar to IIS migration; ported forms written in C to ASP
- Systems Administration
 - Apache to Nginx migration with respect to the declarative configuration style of Nginx
 - Utilized cloud services for servers, dns, and content delivery network
 - Created and maintained Cisco router configurations
- Regression testing for the Adobe Shockwave Player prerelease team from 2002 to date
- Responsible for following current trends and acting as a technical resource for product development decisions

University of Vermont, Living & Learning Center, Burlington, VT **1988 – 1990**
Computer Lab Tutor

- Assisted students with programming assignments
- Helped students use the printer

PEOPLExpress Airlines, Dulles, VA & Newark, NJ **1985 – 1986**
Customer Service Representative

- Ordered Jet A fuel for outbound flights
- Printed flight plans, checked in passengers, boarded flights
- Solved problems

U.S. Army Old Guard Fife & Drum Corps, Presidential Escort, Ft. Myer, VA **1982 – 1985**
Drummer

- Performed for arrival ceremonies at the White House
- Collaborated with a colleague writing drum solos
- Security clearance: secret

EDUCATION

University of Vermont, Burlington, VT **1987 – 1990**

- Major: Computer Science
- Minor: German

George Mason University, Fairfax, VA **1985 – 1986**
Major: Computer Science

Northern Virginia Community College, Springfield, VA **1983 – 1985**
Night classes while serving in the U.S. Army

Mount Mansfield Union High School, Jericho, VT **1978 – 1982**
Graduated with emphasis on computer science

INTERESTS

Playing music. I enjoy playing field drum and my wife plays fife.