

## Summary

I am a highly adaptable, consummate, self-driven, and bilingual (English/French) information technology professional with over 20 years experience in a variety of settings including software development, health care, entertainment, and higher education. Embracing devops culture and practices, I have a track record of successfully using programming and system administration skills to provide effective solutions to IT problems.

My skills and areas of expertise include:

- Programming (Bash, Python, Go, Perl, Rust)
- Linux system administration
- GitHub Enterprise site administration
- Site reliability engineering
- Build and release engineering
- Database development
- Technical support
- Translation (French/English)

## Experience

### Senior Software Engineer (Autodesk Inc.)

Apr 2017 - Present (4 years 4 months+)

#### GitHub Enterprise site administrator

- Service reliability and performance for over 4000 engineers
- Development and maintenance of a set of GitHub Apps and services that integrate with GHES
- Migration from other version control systems (Perforce, subversion, github.com) to GitHub Enterprise
- Technical support (Git and GitHub)

*Skills applied or learned:*

- Linux system administration (Debian, Ubuntu)
- Programming (Bash, Python, Go, Ruby, and Rust)
- Site reliability engineering
- Amazon Web Services (AWS)
- Website development (Hugo)

#### Codacy site administrator

- Service reliability for Codacy's self-hosted edition
- Migration from an on-premise 2-tier application to a Kubernetes cluster in AWS

*Skills applied or learned:*

- Linux system administration (CentOS, Ubuntu)
- Programming (Bash, Python)
- Site reliability engineering
- Kubernetes
- Amazon Web Services (AWS)
- PostgreSQL

### **Code Collaborator site administrator**

- Service reliability for 100 users
- Integration with GitHub Enterprise

*Skills applied or learned:*

- Linux system administration (CentOS)
- Bash, Python, Go, and Rust programming
- Site reliability engineering
- Amazon Web Services (AWS)

### **Build And Release Engineer (Autodesk Inc.)**

Mar 2010 - Mar 2017 (7 years 1 month)

Developed and maintained build and testing pipelines for a half-dozen products, including Maya, Mudbox, and Alias Studio.

*Skills used or learned:*

- Python programming
- Build automation (make, Jenkins, Buildforge, ant)
- Linux and Windows system administration
- VMware vSphere

### **Build Master (AppHelp by AppDirect)**

May 2009 - Feb 2010 (10 months)

Casero was taken over by Radialpoint, which was eventually taken over by AppDirect.

- Technical support
- Build and release engineering

### **Build and Integration Engineer (Casero Inc.)**

Dec 2007 - Apr 2009 (1 year 5 months)

*Skills used or learned:*

- Build and release engineering
- Programming (python, bash, ant)
- Linux system administration

### **Tools Developer (Casero Inc.)**

Aug 2007 - Dec 2007 (5 months)

*Skills used or learned:*

- Programming (Bash/Perl)
- Linux system administration

### **Consultant (Keane NTT)**

Mar 2006 - Aug 2007 (1 year 6 months)

Keane is an application management outsourcing company.

*Skills used or learned:*

- System administration (Microsoft Windows 2000/XP/Vista, Mac OS X, Fedora Core linux, Symantec Ghost Solution Suite)
- Technical support
- Scripting (Perl, Bash)

### **Desktop Support Specialist (Famous Players)**

Jul 2004 - Nov 2005 (1 year 5 months)

Famous Players was a film exhibitor subsequently taken over by Cineplex Entertainment.

*Skills used or learned:*

- Technical support
- Computer hardware upgrades
- Printer maintenance

### **Programmer/Analyst (University of Toronto)**

Feb 1999 - Feb 2004 (5 years 1 month)

*Skills used or learned:*

- Web application development (CGI/Perl)
- Database design/analysis/programming: Microsoft Access / SQL Server 2000
- Programming/scripting: Perl/VBA
- Software development life cycle

## **Software support (ICES)**

1996 - 1998 (2 summers)

ICES is a health care research institution.

- Windows 95 and Windows 98 technical support
- Printer maintenance
- Hardware upgrades
  - Installed Ethernet cards and TCP/IP software
  - RAM
  - Motherboards

## **Education**

### **University of Toronto - Honours Bachelor of Science**

1995 - 2002

- Computer Science (major)
- Mathematics (minor)
- Anthropology (minor)