

Patrick T Anderson
Software Engineer & FinTech Architect
[LinkedIn.com/in/patricktanderson](https://www.linkedin.com/in/patricktanderson)
Patrick.T.Anderson@gmail.com

Founder: CityCoin git.gnu.io/CityCoin **Apr/2018 - Present**
Design "For Product" business model for value capture of shared assets.
Writing Ethereum Smart Contracts for CityCoin supply chain optimization.

Senior Software Engineer: Sling TV SlingTV.com **May/2016 - Mar/2018**
Repair, redesign and rewrite the core of in-house C++/lua video player.
Triage and repair problems with threading, resource locking, scheduling.
Create and manage Jenkins jobs for Android, Roku, iOS, tvOS and Linux.

Senior Software Engineer: RackWare Inc RackWareInc.com **Dec/2013 - Nov/2015**
Simplify and extend their file-based imaging suite using C++, BASH, Batch.
Build, package, test, verify and report using BASH, Python, git, Jenkins.
Automate VM management for AWS, IBM, vSphere, KVM, XEN, VirtualBox.

Software Engineer IV: StorageCraft StorageCraft.com **Oct/2008 - Oct/2013**
Write caching VHD and VHDX plugins using OO-C on Windows, Linux, macOS.
Extend cross-platform, block-based imaging suite using OO-C and C++.
Build, sign, package, verify and report with Batch and InstallShield.

Founder: Social Sufficiency Coalition SocialSufficiencyCoalition.BlogSpot.com
Aug/2005 - Oct/2008
Begin basic Linux and Android development.
Write autolink static website generator 'lens.el' with Emacs Lisp, XHTML and CSS.
Use this tool to enforce strict term definitions for comparison of economic models.
Define new Mode of Production implemented through Intra Owner Trade Agreement (IOTA).

Software Engineer III: Altiris Altiris.com (now Symantec) **Aug/2000 - Aug/2005**
Write thin C++ library to automate resource management and simplify Win32 API.
Extend, debug and repair Windows device drivers to read/write hardware settings.
Write W32 Service remotely control and report computer settings.
Write dynamic virtual file system for incremental backup to removable media.

Software Engineer II: NovaRad NovaRad.net **Aug/1999 - Aug/2000**
Integrate DICOM transport and JPEG2k compression into C++ medical imaging client.
Design predictive caching SCSI robotic tape archiver and begin C implementation.

Software Engineer: NetSchools NetSchools.in Jul/1997 - Aug/1999

Develop UDP/IP packet generator and simple sniffer for IR network.
Develop network logon provider in C using SSPI and Blowfish encryption.
Help develop write-protection for Windows 9x filesystem and registry.
Extend RAM paging driver and keyboard filter driver using MS DDK.

Software Engineer: BioVision Motion Capture Jun/1996 - Jun/1997

Develop parsers and C++ glue code to import motion capture data.
Develop other tools to simplify and automate motion data transforms.
Use matrix mathematics and spline approximations to smooth sparse data.

Software Tester: IBM Eduquest IBM.com Feb/1996 - Jul/1996

Track and fix application bugs in C++ educational software.
Help write printer driver to translate between Postscript, PCL, PDDP.

Student: Brigham Young University BYU.edu Jan/1995 - Dec/1998

Bachelor of Science in Computer Science
Teacher's Aid for "Discrete Structures and Combinatorial Mathematics" I and II
Independent C/C++ tutor