

STRENGTHS

- Over 15 years of backend software development.
- Thoughtful design, modular, documented, maintainable, extensible, testable.
- Enjoy teamwork and mentoring.
- Detail oriented, creative, measured, articulate.
- Skilled at diagnosing and solving failures.
- Able to make things work.

TECHNICAL

- Recent training: Getting Started with Ethereum Solidity Development.
 - Developed scripts that create local nodes, deploy simple smart contracts, issue ABI calls, captures detailed logging.
 - Deployed-to and tested smart contracts on the Rinkeby testnet.
 - Developed script that creates and starts a local mining node, initialized with genesis block.
 - Tools included: nodejs, npm, javascript, geth, solidity, web3, testrpc, truffle, metamask, mist.
- Languages: php(10), bash scripting(10), python(2), javascript(1).
- Web development, primarily backend: html(4), css(4), jquery(2), ajax(2).
- Database and sql: postgresql(3), psql, pgAdmin, pgdump/pgrestore/...
- Linux cloud server provisioning, os configuration, apache configuration.
- Tools: awk, sed, pipes, grep, cron, apache, mercurial/hg, git, curl, wget.

ACCOMPLISHMENTS

- Designed and implemented an inbound, asynchronous ftp capture and post-process of nightly sensor data transmitted from Washington State Ferries. Linux cloud server system in service for over 3 years.
- Developed a python django login credentials website frontend for an R application server.
- Designed and implemented a scheduled 6-hour ftp data pull of NOAA geographic wind data, and an associated internal website for viewing animated wind maps.
- Developed an automated regression test deployment system for testing nightly software builds of a mirrored data storage product. Enabled over 100 software engineers to automate daily test setups, eliminating 1 hour of setup time per engineer.
- Extended and optimized a network services API for an 8-developer team developing Windows LAN admin network apps. Deployed on over 1,000,000 Windows computers.
- Solved product-critical socket-layer bug in network asset management software agent.

EMPLOYMENT HISTORY

- Nov 2011 – present. Integral Consulting Inc. Senior Software Engineer. Fort Collins, Colorado.
- Feb 2009 – Oct 2011. Geomega. Senior Software Engineer. Louisville, Colorado.
- Oct 2003 – Jan 2009. Mainway PC Support. Owner, Sales, Advisor, Technician. Boulder, Colorado.
- Jun 2003 – Sep 2003. Pillar Data Systems. Senior Software Engineer. Longmont, Colorado.
- Jan 2001 – Feb 2002. Independent Storage Corporation. Senior Software Engineer. Niwot, Colorado.

PROFESSIONAL DEVELOPMENT

Founder Institute. Denver, Colorado.

- Idea-stage accelerator and startup launch program.
- Developed a SaaS startup providing scheduled, automated sending of reminder phone calls to elders.

EDUCATION

Getting Started with Ethereum Solidity Development. Udemy.

- Developed several boilerplate scripts that create and test smart contracts on local nodes.

PHP and MySQL Programming. Front Range Community College, Longmont, Colorado.

- Developed popular WordPress plugin for DandyID social identity management.
- Received over 30,000 downloads.

Embedded Systems Design. University of Colorado, Boulder.

- Built wire-wrapped 8051-based 5-volt single board computer.
- C programming, EPROM, SRAM, serial port.

Real-Time Embedded Systems. University of Colorado, Boulder.

- Designed and implemented a full duplex TCP/IP voip device driver with VxWorks.

B.S. Computer Science. Stephen F. Austin State University. Nacogdoches, Texas.