

James Pooton

Internet System Designer



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Objective

Challenging work related to Internet system design, implementation, and optimization.

Profile

I am a detail oriented perfectionist who firmly believes that taking the time to design systems properly from the start provides endless benefits down the road. Technology is more than a job to me, it's my passion. I began programming when I was 11 and have worked on Internet related projects for over 25 years — before HTTP was an RFC. I'm an independent worker and a free thinker who loves acquiring new skills and continually working toward the perfect mousetrap. I have personally designed and implemented large LAN/WAN/VPN installations, reliable server farms, and scaleable Web applications. I have also successfully managed groups of employees, programmers, graphic designers, and technical salespeople. Having built and sold a multi-million dollar Internet business to a top 5 telco, new challenges and opportunities are what excite me, and I feel my best work always lies ahead.

Experience

eConnect Incorporated — Director of Engineering

Las Vegas, Nevada - (2013-Present)

Part of the eConnect team, working to fuse business data with digital video analysis to help companies protect their assets and gain operational insight. Currently working on facial recognition system design, video analytics processing, data integrations for point-of-sale (POS) and casino systems, creating an ARM based embedded Linux edge device platform, improving internal development infrastructure, and implementing distributed server/network health monitoring systems.

Codefica LLC — President / Owner

Kalispell, Montana (2015-Present)

Freelance technical consulting, design, development, security, and hosting services, as well as various domain holdings and incubation for future projects and ideas.

netFocal Incorporated — President / Co-owner

Kalispell, Montana (2004-2015)

A business venture that included The Giggle Guide® (online Drupal based B2B resource for the children's industry), Pedoodles® (children's footwear brand), domain holdings, and contract technical services. Performed an extended contract with videoNEXT Federal to help secure their SKM video surveillance platform to DISA/DIACAP security standards.

CenturyTel (now CenturyLink) — Director of Web Solutions

Kalispell, Montana (2000-2004)

Managed a group of 20+ Web developers, graphic designers, and technical salespeople tasked with building Web applications and e-commerce solutions for both internal departments and external business clients. Responsible for the design and implementation of the central landing site used by over 240,000 CenturyTel Internet customers. Left employment in 2004, upon contract expiration, to pursue independent business opportunities.

DigiSys Inc. — President / Co-owner / Lead Admin

Kalispell, Montana (1995-2000)

Founded an Internet Service Provider that grew to become the largest in northwest Montana, serving nearly 10,000 business and residential customers. Services included dial-up, DSL, dedicated lines, e-mail, Web / SPAM filtering, Web development / hosting, e-commerce, WAN design, firewalls, and personal training. The business was sold in 2000 to CenturyTel, based in Monroe, Louisiana. (NYSE: CTL)

ATCI / EconoCall — Programmer / System Administrator

Kalispell, Montana (1994-1995)

Designed, implemented, and maintained UNIX based telephony services that interfaced with Siemens digital voice switches. Automated and managed the export, transport and import of all billable service data. Worked to improve the company's bespoke UNIX based billing system until operations ultimately ceased in 1995.

Education

University of Minnesota - Minneapolis, Minnesota (1990-1994)

Institute of Technology - Honors Program

Undergraduate Research Opportunities Program (UROP)

NSF / UROP Scholarship, Maud Glover Folsom Foundation Scholarship

Emphasis in Computer Science and Acoustics

Bachelors Electrical Engineering (BEE)

Graduated Magna Cum Laude

Eden Prairie High School - Eden Prairie, Minnesota (1985-1989)

Gifted & Talented Program

Enriched English / Social Block

AP Mathematics & English

Football, Golf, Junior Achievement, National Honor Society

Graduated 7th in class of 417 (3.94 GPA)

Skills

Operating Systems / Containers / Hypervisors

Ubuntu / Debian / Raspbian, Red Hat / CentOS, Angstrom, MacOS, Microsoft Windows, Docker / Compose / Swarm, VMware vSphere / ESXi / Fusion

Languages / DSLs / Formats

Javascript / ES6+, BASH, sed/awk, PHP, HTML 5, CSS 3, SASS, SQL, ReQL, InfluxQL, MongoDB QL, JSON, XML

Platforms / Frameworks

Node.js, React / Redux, Vue.js, Express, WS / Socket.io, Electron, jQuery, Drupal, Wordpress, Material-UI, Bootstrap, Animate.css, Reveal.js, others

Dev Tooling & Bundling

Gitlab CI/CD, Portainer, NPM, Webpack, Babel, ESLint, Browsersync, PM2, Nodemon

Web Ops / Data / Performance

NGINX, Apache, MySQL, InfluxDB, MongoDB, RethinkDB, RabbitMQ / AMQP / MQTT, Redis, Memcached, APC, Zend Optimizer

Versioning / Backups

GIT, Subversion, rsync, rsnapshot, BackupPC

Network File Systems

Amazon S3, WebDAV, CIFS / Samba, NFS, AFS / Netatalk

E-mail / Communications

Postfix, Sendmail, Procmal, Dovecot, Cyrus IMAP, ClamAV, SpamAssassin, Roundcube, Microsoft Bot Framework, Mattermost, FreePBX, Asterisk VOIP

Security / Networking

OpenSSL, OpenSSH, OpenVPN, IPTables, pfSense, Tomato USB, DD-WRT

System Management

Ansible, Puppet, Telegraf, Grafana, Nagios, NRPE, Cacti, NUT/UPS, SNMP, BIND/DNS, Avahi

Desktop Software / Tools

iTerm2, Visual Studio Code, SublimeText, Quiver, Dash Docs, SourceTree, Cornerstone, Navicat, Resilio Sync, Dropbox, Monosnap, Things, 1Password, Microsoft Office, Adobe Photoshop, Adobe Illustrator

Past Experience

BSD, Cisco routers / IOS, BGP, EGP, IGRP, RIP, 3Ware and Adaptec RAID systems, Poptop PPTP, NW (Node-Webkit), Joomla, jShop, xDebug, eAccelerator, CVS, Perl, C/C++, Coldfusion, Pascal, INN (InterNetNews), Mathematica, SPICE, NeXTStep

Interests

I enjoy gourmet cooking, photography, graphic design, music, home theater, smartphone integration, speaker building, motorcycling, skiing, golf, camping, travel, and spending time with my family and friends.

References

Furnished on request.