Sean Head
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Objective

I am searching for a technical position in systems engineering that will give me the opportunity to practice and expand my knowledge base and skill set. Positions within this scope that are outside my specific experience particularly interest me as they would allow me to learn new skills and concepts.

Work Experience

Senior Systems Engineer, Director of Engineering
Corona Labs Inc   2008–2015, 2015-present

- Guided Engineering team through acquisition by Perk.com.
- Worked with Product Design and Developer Relations teams to plan and set engineering pace and goals.
- Acted as technical liaison between Engineering and expanded international QA/support.
- Architected transition for back-end API's from a monolithic XML-RPC system to REST-based microservices (Laravel/Docker on AWS).
- Served as sole Systems Administrator for all internal and public facing services.
- Designed, implemented, and maintained application build queuing system (patent pending).
- Developed testing infrastructure for mobile applications in conjunction with a continuous integration system (Jenkins).
- Designed, implemented, and maintained a high volume mobile analytics system. Used Hadoop and HBase for data storage and analysis.
- Maintained internal application build cluster running on OS X, Windows 7, and Ubuntu Linux.
- Served as primary internal developer support for non core product issues (scripting, networking SME).

Network Consultant/Owner
Head Networks   2006–2008

- Designed and managed a multi-building campus-wide LAN including support servers (Windows 2003, Linux, VMware).
- Maintained a wide range of network switches and other devices from multiple vendors (Cisco, HP, Netgear, PFsense).

Partner
Pacific Custom Installations   2004–2006

- Owned and operated Pacific Custom Installations, a high-end Audio/Video installation and customization contractor.
- Organized job site time tables and worked as a project manager with clients and general contractors.
- Worked with my partner designing, integrating, and automating Audio/Video systems integration.

Network/Telecommunications Consultant
Terracom (ISP); Kigali, Rwanda   2004

- Researched, planned and supervised the installation of the company's first passive optical network run. Including interfacing with government liaisons to plan fiber routes and initial deployment sites.
- Planned and configured caching web proxy system optimized for satellite latency.
- Taught a class for the NOC Team on network design and capacity planning. Used curriculum of my own design.

Wireless Network Engineer
Digital Putty (ISP)   2003–2004

- Led projects to deploy additional tower locations, increasing the service area to 12 locations. With several wireless links stretching 20mi.
- Assisted in deploying traffic analysis software and interpreting the generated statistics (ntop and Cacti).

Information Technology Administrator
Cyber Manor   2002–2003

Information Technology Administrator
Real-Wireless (ISP)   2001–2003

Network Administrator
Physicianaccess.com   1998–2002

Skills

- Windows and OS X desktop/server support
- Networking protocols (TCP, UDP, NTP, CIFS, NFS, HTTP, etc)
- Linux server support (Debian, Ubuntu, Puppet, Apache)
- Experienced in x86 hardware; including but not limited to system debugging, RAID subsystems, I/O planning
- Scripting languages: PHP, Lua, Bash, Puppet's Ruby DSL, Windows batch files
- Experience with storage networking (iSCSI, NFS, Fibre Channel)
- Experienced in wireless networking, in both a WAN and LAN setting
- Ethernet switching/LAN planning and configuration
- Cable installation; Ethernet, A/V, telecom, Single and Multi-mode fiber