Andrew Knutsen

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ACCOMPLISHED PROFESSIONAL

Accomplished professional with expertise in networking and distributed systems. Extensive experience in all phases of development: architecture, design, implementation and maintenance.

I am currently looking for remote part-time work (approx. 30 week/year), similar to my last position. My availability is best suited to troubleshooting and feature development.

SKILLS

- C, C++, Python
- Linux / Posix
- gdb / core dump analysis
- Eclipse
- Bugzilla
- TCP/IP, SSL
- Multithreaded OS
- Wireshark / packet trace analysis
- Perforce
- AWS

Software Development Contractor, remote **June 2020 – April 2022**
Broadcom
One man show maintaining S-Series PacketShaper Linux-based network monitoring appliance (troubleshooting and feature development).
Trained my offshore replacements.

Senior Staff Software Engineer, Mountain View, CA **May 2007 – August 2019**
Blue Coat Systems, Inc. / Symantec, Inc.
ADN (Application Delivery Network), a bandwidth optimization product featuring byte caching. Client Manager, which manages the Blue Coat client software (Windows and Mac). "Pinch-hitting" on a variety of other products when necessary, including our SSL proxy.

- Implemented email processor to update and display alert database using AWS Lambda (python) and PHP. This saved many hours of manual input and increased accuracy of data.
- Networking andevelod security pment and maintenance on a proprietary message-passing object-oriented OS, running on a network appliance (ProxySG). The ADN product was critical for many large customers.
- Development and maintenance on a networking performance, analysis and control product (PacketShaper). Kept this legacy product's installed base happy for several years.
- Multi-threaded application-level network protocol programming on many components of the network proxy.
- Fixed bugs in a large software base (dozens per year)
- Responded to escalated customer issues within expected timeframe
- Analyzed heartbeat data from installed appliances to determine priority of issues

ADDITIONAL RELEVANT EXPERIENCE

Independent, Santa Cruz, CA
consultant / developer

- Wireless Cables Inc, Santa Cruz, CA (aircable.net), 2005
  - Company sells Bluetooth replacements for serial cables
  - Developed a prototype USB cable replacement using peer to peer WiFi
  - Used Cypress SoC devkit

SCO / Caldera, Santa Cruz, CA
Senior Software Engineer

Convergent Technologies / Unisys, San Jose, CA
Software Engineer

Parallel Computers, Santa Cruz, CA
Software Engineer

EDUCATION

BS Physics, Stanford University