Timothy Paul Fox

2074 Wizard Court
San Jose, CA   95131-2633
(408) 729-0392
email: tpfox@sbcglobal.net

OBJECTIVE   **Contract work in web application development/support, Perl scripting, software development**

IT Application Support   Hewlett-Packard   12/10 – 02/11
- Continued the (previously listed) ArcSight IT app support tasks.
- Updated or created new documents of the support tasks for each application, and collected all reference documents and links for these applications in preparation for handing off the support work to H-P's IT department.

IT Application Support   ArcSight, Cupertino, CA   06/10 – 11/10
- Administered these tools used by the software developers: JIRA, Crowd, Fisheye/Crucible.
- When an application's web admin interface did not expose what needed fixing, adjusted application's configuration, database contents, user permissions from the linux command line.
- Adjusted the workflow and permission schemes in JIRA to suit the needs of the developers.
- Set user access and privilege levels in accordance with onboarding/offboarding procedures.
- Maintained and updated pages on the company intranet.

Application Developer   ArcSight, Cupertino, CA   09/07 – 06/10
- Developed several in-house web applications deployed on the company intranet.
- Designed and implemented a customer-facing application, the order fulfillment web site https://software.arcsight.com. Maintained this application until company expansion outgrew its capacity, and made it necessary to transfer order fulfillment to an external service provider.

IT Services – Intern   ArcSight, Cupertino, CA   10/06 – 09/07
- Developed server-side information utilities with Perl CGI and MySQL, hosted on Apache2 on linux and Win32 platforms.

Senior Software Engineer   Larscom, Newark, CA   02/01 – 05/02
(acquired by Verilink, http://www.verilink.com/)
- Wrote functional and design specifications for, and implemented with C code the addition of PPP over frame-relay into the firmware for the Larscom 6000 product.
- Wrote SNMP MIB extension and agent routines, and command line interface code to manage the PPP features. Wrote MAKE files to build these packages.
- Integrated third-party software packages, modifying their source code when necessary.
- Tools used: vxWorks, Clearcase version control, GNU C compiler for Motorola 8260 (PowerQUICC II) on Windows NT and Solaris operating systems.

Firmware Engineer   Synacom Technology, Inc., San Jose, CA   09/99 – 12/00

(out of business)

- Designed firmware in C and 8051 assembler for an appliance to provision cellular phones via a serial programming interface.
- Rewrote legacy code to make it work reliably.
- Enhanced sales by designing in features urgently needed by customers. This added more than $100K to annual sales of about $6M.
- To aid software design, designed a protocol monitor (hardware and firmware) for inspecting and debugging a cell phone serial programming protocol.
- Wrote command-line tools to simplify the firmware build process. (Win32 MFC)
- Created illustrated work instructions for new hires to introduce them to Synacom's revision control and build process.
- Reviewed and revised Synacom's data sheets and release notes for accuracy.

Hardware/Software Designer   CXR Telcom, Fremont, CA   1986 – 1999
(is now CXR-Larus in San Jose, CA)

- Designed the firmware, implemented in C and x86 assembler, for a modem pool monitoring and control system. Designed circuitry for both analog and digital hardware.
- Designed and input the schematics for the rack controller, alarm card, power supply, and backplane assemblies of the modem pool system, and for other CXR products.
- Redesigned a display driver subassembly to replace obsolete (unobtainable) parts with Programmable Logic Arrays, reducing subassembly cost 20%.
- Designed the test processes, fixtures, and documents for Manufacturing and QA.
- Trained the Manufacturing and Customer Service technicians to use these tools.
- Handled customer support calls that were too technically specific for the customer service technicians.
- Created Purchase Specifications and Bills of Material.
- Coordinated the activity of all departments to expedite response to special customer requirements.