

## JOSIAH PURTLEBAUGH

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### SOFTWARE PROFICIENCIES

#### **Web development:**

(X)HTML (expert)	CSS (expert)	JavaScript (intermediate)	AJAX (intermediate)
XML/XSL (expert)	PHP (intermediate)	Perl (expert)	

#### **Application Development:**

C/C++ (expert)	.NET C# (novice)	Visual Basic (intermediate)	Java (intermediate)
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### SOFTWARE PORTFOLIO

#### **LitheServe httpd**, a cross-platform web server written in C.

A very minimal and entirely cross-platform webserver designed with embedded applications in mind.

- Features an incredibly small memory footprint.
- Efficiently caches and stores mime type data.
- Retains responsiveness without the use of forking or threads.

#### **Bitfield**, a cross-platform proof-of-concept written in C.

A small library written in C preprocessor macros for utilizing bitfields as a boolean storage medium. This piece demonstrates a proof-of-concept of object oriented structures in C.

- Fast and efficient use of C preprocessor macros.
- Uses structures and function pointers to emulate a C++ Class in C.

#### **Mkchroot**, a POSIX tool for chroot jails written in Perl.

A tool for creating a directory structure suitable for use as a root directory.

- Utilizes common tools to locate necessary libraries.
- Supports binary lists for multiple runs.

### OTHER TECHNICAL SKILLS

Experienced with:

- Computer hardware support and maintenance
- Microsoft Office suite
- UNIX software support and maintenance
- MySQL and Oracle RDBMS
- Multiple distributions of Linux (Debian, Fedora, Gentoo, Slackware, Ubuntu)

### EMPLOYMENT HISTORY

#### **Operations Technician**

The Cobalt Group, *December 2006 to present*

- Developed internal tools for monitoring network infrastructure.
- Deployed software for internal and external releases.

#### **System Administrator**

Codelove LLC., *July 2003 to present*

- Maintained many customer websites
- Deployed and maintained software and configurations on Debian 4.0

### OTHER SKILLS

- Strong writing and editorial skills
- Formal language training in French and Spanish
- Require little to no supervision; self-starter
- Work well within a team-based environment

*References available upon request.*