

Shawn Kirkpatrick

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Computer Programmer

Highlights of Skills

- Advanced knowledge of PERL, C and C++ programming languages.
- Familiar with Pascal, PHP, HTML and Python programming languages.
- Comfortable in DOS, Linux and Symbian operating systems environments.
- Designed customized programming solutions based on clients' needs.
- Superior electrical and hardware skills and highly experienced in household and office assembly.

Experience

Software Installer

**Contractor
2009-present**

- Installed software to create an accessible media PC.
- Augmented knowledge of multimedia technology to configure sound and video settings.
- Ensured compatibility of hardware and software components to maximize efficiency.
- Implemented a speech engine to create an accessible user interface.

Head Programmer

**Loadstone GPS for the Blind
2004-present**

- Developed a portable and accessible navigation system to provide a low-cost solution to persons with vision impairment.
- Improved knowledge of Symbian operating system as well as GPS and Nokia hardware to construct a reliable product.
- Managed continuous implementation of program features and fixes to ensure client satisfaction.
- Provided technical assistance to users through mailing lists.

System Administrator

**The Dividing Line Broadcast Network
2003-present**

- Designed an internet radio station to support the promotion of independent artists.
- Implemented broadcasting capability to stream music and live shows.
- Provided ongoing technical support to ensure smooth station operation.

- Managed web hosting to maintain web presence.

Media Converter

**Contractor
2007**

- Converted audio cassettes to MP3s to increase longevity of information storage.
- Organized MP3s into electronic file system to facilitate easier retrieval.
- Analyzed audio consistency to ensure uniformity of speed and direction.
- Redesigned audio editing software to improve project productivity.

Software Developer

**Carlson Online
1999-2001**

- Designed and maintained custom back-end applications to process financial data.
- Worked with PERL and C computer languages, as well as a MySQL database to create customized solutions based on clients' needs.
- Responsible for Unix administration on multiple servers to maintain system uptime and availability.
- Designed an e-commerce website to create a user-friendly interface.

**System Administrator/Loan
Bank Coordinator**

**Western Association of Persons with Vision
Impairment
1994-2009**

- Created an internet service provider to provide internet access to persons who are blind or visually-impaired.
- Managed user accounts and provided technical support to meet users' needs.
- Oversaw distribution and maintenance of computer loan bank equipment to provide clients with accessible computer systems.
- Reported on Loan Bank program status to track inventory and for funding purposes.

Programmer

**Cowichan Valley Independent Living
Resource Centre
1992-1993**

- Created the Community Accessibility Survey Database to provide community accessibility information to clients.
- Attended to administrative duties to assist with office procedures.
- Contacted community partners to encourage involvement in agency initiatives.

Education

British Columbia Institute of Technology

1992

- Associate Certificate of Programming