

Garan Steen

B.S. Software Engineer

Problem Solver / Process Automation / WebApp & L.A.M.P Development

• Creative • Practical • Conscientious • Ethical • Influential • Diverse • Experienced •

Summary

Seeking contract-to-hire position in L.A.M.P work (front or back-end) or general development.

Languages:

PHP, MySQL, Html, Xhtml, SVG, Css, Java Script, C,C++, Python, Perl, Object Pascal, Lex, Yacc, Prolog, Make ...

Software / Development:

PHP-Builder, Delphi, C++ Builder, Watcom&MS C/C++, Crystal Reports, Visio, VI, VIM, VCS

Browsers:

FireFox/FireBug, Chrome, IETester

Media:

Virtual-Dub (video), AviSynth (scripted video), Photo Shop, Gimp, InkScape, Acid Audio, Reaper Audio

Documentation:

Open Office, MS-Word, RoboHelp, HTML, Wiki

Operating Systems:

Windows, Linux, MS-DOS, OSX

Machines:

IBM Compatibles

Libraries/Frame Works:

Dojo & jQuery (JavaScript), Code Ignitor (PHP), ...

Experience

Education: B.S., University of Minnesota Institute of Technology

Major: Computer and Information Science

Electives: Artificial Intelligence, Computer Graphic Algorithms

GPA: 3.0 on a 4.0 scale (with no re-takes or audits)

Strengths: data structures, algorithms, problem solving, software design

Wonder Boogie LLC, Minneapolis, MN 2011/12 - Current

- L.A.M.P & front-end web development (Linux, JavaScript, JQuery, Dojo, Node.js)

Intertech Consulting, Minneapolis, MN 2011/7 – 2011/11

Title: **Software Engineer**, 4-month contract

- developed front-end Gadgets for call center software (*Dojo, JavaScript*)

G2Planet, Minneapolis, MN 2011/4 – 2011/5

Conference information infrastructure and custom services.

Title: **Software Engineer**, 6-week contract

- developed stand-alone mass mailer (*PHP*)
- prepped/validated/tested HTML & text for mass mailings

Wonder Boogie LLC, Minneapolis, MN 2000/5 - 2011/3

Custom information infrastructure for live productions & L.A.M.P. projects.

Title: **IT Engineer, Small Business Manager**

- Audio/photo/video tools for rapid annotation/editing/distribution (*C++,Perl*)
- Light show: sequencing language, real-time control (*Perl, Python*)
- Enhanced email and information processes (*PHP, Perl*)
- Small business tasks with a group of nine people
- L.A.M.P and front-end web development

Micro Voice Applications, Minneapolis, MN 1998/5 – 2000/4

Interactive personals and AudioText applications.

Title: **Software Engineer**

- Optimized data processing; enabling higher-level tasks (*Perl, C*)
- Developed multi-office processes with directable artificial intelligence decision making system and full automation. (*Perl*)

TRO Learning Inc, Edina, MN 1994/10 – 1998/4

Developer & marketer of self-paced formal learning & testing systems.

Title: **Software Engineer**

- Automated processes in testing and code maintenance (*C++*)
- Created tools; saving time; increasing error discovery (*C++*)
- Integrating 3rd party products with courseware (*C, C++, various*)
- Created help files, project, systems-test, & design docs(*HTML, Office Apps*)
- Joined systems dev; building courseware manager. (*Object Pascal, Delphi*)

Areas of Work

Website/Web-Page Work

- Standards Based Implementations: SEO friendly & content obfuscation (*WonderBoogie*) (**HTML, XHTML, DHTML, CSS, JavaScript, XML**)
- L.A.M.P. Web site design, implementation, maintenance with artist-maintainable features (**Linux, Windows, Apache, MySql, XML, PHP, Perl**)
- Apache installation, configuration: (**http.conf .htaccess: alias, rewrite,...**)
- JavaScript: 100% JS Wiki knowledge-base app, Google Maps API (*WonderBoogie*) (**HTML, Javascript: closures, Json, XHR, Dojo: browser layer, class constructors, xhrPost**)
- Developed hierarchical data description language/database (*WonderBoogie*) (**PHP&.htaccess**)
- Maintenance processes: content updates via email, forms, xml, PHP, HTML
- Content synthesis: audio/video/graphics (*WonderBoogie*) (**Perl, PHP, AviSynth, C, C++, Python**)

Tools Development

- Mass Mailer (*G2Planet*) (**PHP**)
- Automated testing tools: spell checker, database creation/validation (*TRO*) (**C++**)
- Distributed data processing tools (*MicroVoice*) (**Perl, C, Bash**)
- Audio/Video tools: audio player/editor, video annotation (*WonderBoogie*) (**C++, Perl, Python**)

Infrastructure Automation

- Data Collection/Preparation/Reporting: Database/Lotus Notes Exports (*MicroVoice*)(**Perl**), Log processing, Data Scraping (*WonderBoogie*)(**Perl, Email, PHP**)
- Inter-Application Communication (*MicroVoice, WonderBoogie*): Sockets (**Perl**), Shells, Pipes (**Dos cmd, Unix Bash**), Files
- Automated processes for fetching, uploading, and updating voice messaging data for their remote systems throughout the world. The system was designed such that extensions were later made by non-programmers (**Perl, Bash, C, C++, Windows, SCO Unix**)
- Automation via email: Email Induced Processes, Emailers, Remailer (*WonderBoogie*) (**PHP,Perl**)

Integration

- From 3rd party Educational Softwares to Courseware Management product (*TRO*) (**C, C++**)
- Between remote systems: databases and production departments (*MicroVoice*) (**Perl, Bash**)

Library/Application Development

- Courseware Management Application (*team work at TRO*) (**Object Pascal, Delphi**)
- User Interface Library Creation: visual primitives, events, programmer's interface (*TRO*)(**C**)
- Data Access Interface Library Creation (generalized/homogenized existing processes; made to be extensible by non-programmers (*TRO*)) (**Bash, C, C++**)

Multi Media Content Creation

- Graphics/Video (*WonderBoogie*) (**Gimp, Photo Shop, Inkscape, Image Magik Library, Photography**)
- Hard copy creation/alteration: photography, editing (*WonderBoogie*) (**PhotoShop, Gimp**)

References Available Upon Request