

Travis B. Hartwell

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TECHNICAL SKILLS SUMMARY

Professional Experience

- Java, C++, Python, Bash Shell Script, SQL, and C development.
- IntelliJ IDEA, Eclipse, Maven, Ant, J2EE, basic JSP, Swing, SWT, and Eclipse RCP.
- Debian, Ubuntu, Redhat, Apache, Twisted, exim, PostgreSQL, Subversion, and related server tools.

Other Related Experience

- Common Lisp, Haskell, and Emacs Lisp.
- Gtk and Gnome programming.
- HTML, XHTML, and CSS and other various documentation systems including LaTeX.
- Mercurial and git.

PROFESSIONAL EXPERIENCE

Feature 50, Draper, Utah

February 2008 - August 2008

Senior Software Developer

- Cross-team support for a custom Java Swing grid component including: new features, bug fixes, and technical support.
- Improved manual test suite for grid component enabling easier reproduction of bugs and scenarios of production environments.
- Integrated support for generating editable JFormDesigner forms for dynamically generated Swing layouts.
- Increased efficiency and reliability of a JMS-based monitoring dashboard application. Also provided system administration support for same application.

NetRadius, Provo, Utah

September 2006 - Present

Senior Contractor

- Implemented build and deployment process improvements for client's Java desktop application. Also implemented bug fixes for data export portion of application.
- Implemented various JSP report screens and their back-end data objects for client web application.

21st Century Technologies, Austin, Texas

May 2006 - February 2008

Software Engineer

- Designed and developed general script execution system for the Lynxeon advanced analytics platform, integrating Jython and Enhydra Shark as execution engines. Wrote custom Jython import mechanism from JSR 170 content repository.
- Set up Maven 2 builds and other automation for team projects, including Bamboo automated build server and scripting to set up local Maven 2 mirror.
- Contributed compiler extensions for the Lynxeon Pattern Query Language to support new language constructs.
- Wrote extension of Postgis extras Tiger geocoder for international cities.

- Integrated uDig into Lynxeon Analyst Studio (an Eclipse RCP application), including custom data export dialogs and project synchronization.

Roxor Games, Austin, Texas

May 2004 - May 2006

Systems Engineer

Simultaneous roles and responsibilities including:

- **Game Development Team Lead**
 - Lead development of arcade Road Rebel arcade game implemented with the Torque Game Engine in C++ and Torque Script.
- **System and Network Administrator**
 - Directed and performed network and server administration.
 - Provided company-wide technical support for all major platforms.
- **Factory Workflow Automation**
 - Increased factory production capacity 40 times through the design and implementation of a hardware and software system.
 - Designed and implemented software tools used for monitoring, quality control, and shipping preparation of arcade units.

Additional work experience available on request.

OPEN SOURCE CONTRIBUTIONS

- Contributed classpath module importer to Jython core.
- Developed enhancements and bug fixes for Emacs Planner mode.
- Provided bug fixes, enhancements, documentation, and support for the Twisted network framework.
- Updated and improved Beyond 2: The Open Source Virtual World Framework.
- Contributed documentation fixes for the Python programming language.

PUBLICATIONS AND PRESENTATIONS

- Presented at PyCon DC 2004, "PyGtk and PyGnome Programming".
- Gave extended version of PyGtk presentation at the 3rd USU Free Software and Linux Forum.
- Presented at PyCon DC 2003, "A Twisted Web Tutorial".
- Taught in-depth workshops, "Beginning Emacs Editor Usage" and "Beginning Python Programming".
- Published code in colleague Marc Anderson's Master's thesis, "Adapting Minimum Temperature Forecasts to Fruit Orchards in the Intermountain West".

EDUCATION

BS Computer Science, Science emphasis, Mathematics minor

Fall 2003

Utah State University, Logan, Utah.