

Shawn Ashley Wilson

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Billings, Montana

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Purpose

To develop new processes and technologies that empower users to do more with less.

Skills

- *Programming:* Java / JVM, Python, BASH, C/C++, Qt, Solidity / EVM
- *Web:* HTML5 / xHTML, CSS3, JavaScript, J2EE, XSL, Django, Jinja2, BarracudaMVC, nodejs
- *Data Storage, Query, Exchange:* SQL (various), XML / Xpath, JSON, MIME, LDAP, Redis, TensorFlow, blockchain
- *Services:* Apache HTTPd / Tomcat, NGINX, squid, Varnish, Jenkins, Zabbix, Postfix, Dovecot, slapd, BIND, Gogs, bitcoind, geth
- *Systems Platform:* Gentoo/Debian GNU/Linux and derivatives, FreeBSD, macOS, AWS, Docker
- *VCS:* git, hg, svn, cvs

Experience

Independent Developer

2014 to present

(Misc. Projects)

Austin, TX & Hartford, AR & Billings, MT

- <https://github.com/lannocc/iovar> – IOVAR: web development platform
- <https://github.com/AlphaGriffin/orbit> – ORBIT (op_return tokens for Bitcoin Cash / BCH) spec., node, Qt wallet
- <http://play.mtradio.net> – MT Radio.Net custom online radio streaming platform for Montana
- <https://github.com/AlphaGriffin/mupen64plus-ui-python> – AI (neural net) enhancements to Mupen64Plus (Nintendo64 emulator) including game recorder, training system, and AI player using TensorFlow
- <https://github.com/lannocc/lank> – Peer-to-peer encrypted communications with distributed key system

IT Coordinator

2013 March to 2014 January

Century Gaming, Inc.

Billings, MT

- Reduced recurring IT expenditures and increased internal services performance and reliability. Provided support to all staff at 7 offices across the state (Montana).

Software Developer → Senior Software Developer

2002 June to 2008 October

ATM Express, Inc. → Payment Alliance International, Inc. (merger)

Billings, MT

- Integrated Bankcard / PoS reporting and business processes into the existing ATM-focused web offering; planning and reorganization of the code base and a new user interface for the merged business.
- Designed and implemented a customizable, event-driven double-entry accounting system for internal billing.
- Developed Java-based ATM reporting and management software for the web using the BarracudaMVC framework, from database to user interface and back-end processes including various real-time transaction feeds to NYCE/Metabank/RBSlynk/CoreData/etc.. Included fully-customizable reporting interface supporting dynamic filters, selectable columns, and Excel/CSV export for all reporting.
- Developed a work-flow "wizard" framework for entering data into the system and performing bulk updates in a step-by-step manner. Also developed a cron-like scheduling servlet w/ XML configuration.

Software Developer II

2000 October to 2002 June

HCM International, LLC

Seattle, WA

- Worked on a team developing international web-based human resources software. Designed user interface for online tool used to create comprehensive employee-satisfaction surveys. Developed and implemented server-side solution for providing multilingual web pages while minimizing maintenance time on those pages. Used C++ to develop XML processor responsible for parsing the pages.
- Traveled to Madrid and worked closely with a corporate partner, Meta4 Spain, to develop common web implementation solution shared by both companies. This included a common set of Java taglets, security model, and web development standards.
- Documented requirements and developed data-model solutions to internationalize the company's products.

Education

Centralia College (1998-99)

Physics I-III, Calculus I-III & Diff. Eq.

Centralia High School (1998-99)

High School Diploma

Santa Rosa Junior College (1996)

C and C++ Programming

References

References available upon request