

Tim-Doerzbacher.com

I've developed a skill set varied enough to take any web-based idea from initial concept, to design, and all the way through development to the finished implementation. I'm most comfortable with open source software.

Contact Info

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What I Can Do

Here's an annotated list of software, languages, and so forth that I've used. The battery icons indicate my level of comfort with a particular item.

Technologies

Adobe Creative Suite	Angular	Ansible	Apache
Bootstrap	CasperJS	CentOS	DurandalJS
Eclipse	ejabberd	Facebook APIs	Git
Grep	Grunt	Jenkins	jQuery
Knockout	MediaWiki	MySQL/MariaDB	Nagios
NodeJS	PHPUnit	Phabricator	PostgreSQL
Python	QUnit	Rasbian	RequireJS
Subversion	Symfony2	Thrift	Ubuntu
WordPress			

Languages

Website Design	Bash	C/C++	CSS
Erlang	HTML	JavaScript	LESS
MXML	SQL	PHP	Python
Yaml			

Skills & Techniques

Agile Development	Database Design	Graphic Design	LAMP Environments
Linux Administration	/Regular Expressions/	Website Design	

Operating Systems

GNU/Linux	Mac OS X	Windows
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Where I've Worked

2014 —
Present

Intermedix

Front End Engineer / Release Engineer

- ▶ Redesigned and implemented new release engineering process.
 - ▶ Fully automated publishing of release assets.
 - ▶ Automated release emails by using ChangeLog.
 - ▶ Organized and developed a branching strategy for release and development.
- ▶ Redesigned the Grunt project files into a modular structure and more easy to maintain structure.
- ▶ Integrated Stash with Jenkins to enforce testing before merging.
- ▶ Created automatic release process that is triggered by new commits or merges to the master branch.
- ▶ Built and maintain Jenkins build slave.
- ▶ Added additional linting rules and code to enforce consistency in the code.
- ▶ Oversaw development of new major release of our product.
 - ▶ The original architecture was of a large, monolithic package which was prone to regressions.
 - ▶ Chopped the package in many smaller, more focused packages to allow downstream implementers more flexibility with upgrading and feature sets.
- ▶ Designed and implemented visual regression tests to improve continuous integration.
 - ▶ The testing framework is shared, making any updates or the testing framework to be affected immediately in all existing a new modules
 - ▶ All demos in the documentation are automatically checked for visual regressions.
- ▶ Evaluating and integrating additional third party libraries in the shared toolkit.
 - ▶ Automated patching and tweaking (when necessary) so that all libraries can be used seamlessly with RequireJS.

2007 — 2015

PiCon Web Design & Marketing

Subcontractor

- ▶ Developed a web-based commercial employment application designed for the trucking industry, yet generalized enough to used by any industry.
- ▶ Rewrote .NET and Microsoft based websites for use on LAMP servers.
- ▶ Lead developer on a project to catalog and digitalize 300,000+ documents from a 19th century scholar.

2013 — 2014

Walking Thumbs

Full Stack Developer

- ▶ Integrating PHP and ejabberd based nodes and their respective database nodes into a custom XMPP-based messaging system.
 - ▶ Apache Thrift was used to enable direct communication between the PHP and ejabberd nodes.
 - ▶ ejabberd calls originally queried the database through Thrift calls to PHP. Rewrote to have the ejabberd nodes directly query the PostgreSQL cluster when possible.
- ▶ Created syncing algorithm for finding other users on the system.
 - ▶ Hashing was used for matches instead of unencrypted contact information.
 - ▶ This was done to protect privacy concerns while still being able to match other users.
 - ▶ Normalized email and phone numbers to prevent false positives and maximize matches. This was extremely important since contacts were stored only as hashes.
- ▶ Improved and expanded automated testing suite; increased the code coverage and reduced the execution time.
- ▶ Handled all server related tasks to support other developers working on the Android and iOS clients.
 - ▶ Set up Nagios on an AWS instance.
 - ▶ Installed, configured, and upgrading of servers.
- ▶ Built automated server build scripts for use by the rest of the team, decreasing the server-side ramp up time for new app developers.
- ▶ Handled overseeing implementing company websites.

2008 — 2013

Kb Port

Server & Web Developer

- ▶ Handled UI design and implementation on several major software revisions.
 - ▶ Utilized HTML5/CSS3 for maximum compatibility in the future.
 - ▶ Previous versions were hacked to work on Internet Explorer with a proprietary Active X control.
- ▶ Developed RAID-based archival system for compiling video sessions from network connected video recording products.
 - ▶ System has up to 14TB of storage allowing hundreds of days of recording video to be quickly searched, indexed, and shared.
 - ▶ Automated backups to the archival unit eases consolidation of student videos and prevents the video records from filling up.
- ▶ Developed customized customer management and inventory management software.
 - ▶ Features included allowing automated upgrades to systems out in the field to facilitate up-selling new products and features.
 - ▶ The system interfaced with copy protection code on the systems to prevent unauthorized cloning.
- ▶ Designed a new video package format to allow exchange of data between the company's various products.
 - ▶ Designed to be easily extendable at future times to allow any type of metadata or otherwise to be added without breaking backwards compatibility.
 - ▶ Utilized OSS tools for maximum inter-compatibility on different platforms.

Education

2005 — 2009

Art Institute of Pittsburgh

Graduated with Bachelor degree in Graphic Design

References

References available upon request.