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

Agile Development	Database Design	Graphic Design	LAMP Environments
Linux Administration	/Regular Expressions/	Website Design	LESS
MXML	SQL	PHP	Python
Yaml			

Skills & Techniques

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

Operating Systems

Agile Development	Database Design	Graphic Design

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 sys
  - Apache Thrift was used to enable direct communication between the PHP and ejabberd nodes.
  - ejabbard calls originally queried the database through Thrift calls to PHP. Rewrote to have the ejabberd nodes directly qu 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 si 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 implemention 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 sha
  - Automated backups to the archival unit eases consolation 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 featu
  - 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.