

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.

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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.

Software & Tools

Adobe Creative Suite	Apache	Angular	Bootstrap
Eclipse	ejabberd	Facebook APIs	Git
Grunt	jQuery	Jenkins	Knockout
MediaWiki	NodeJS	MySQL/MariaDB	Nagios
PHPUnit	Phabricator	PostgreSQL	QUnit
Subversion	Symfony2	Thrift	WordPress

Languages

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

Skills & Techniques

Agile Development	AJAX	Database Design	Graphic Design
LAMP Servers	Linux Administration	REST	Website Design

Operating Systems

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

2014 —
Present

Intermedix

Front End Engineer / Release Engineer

- ▶ Oversaw release engineering and devops responsibilities to streamline releases and development
 - ▶ Updated and re-designed the Grunt project file into a modular and more easy to maintain structure
 - ▶ Integrated with Jenkins and Stash to improve our workflow by preventing bad merges through expanded automated tests
 - ▶ Built and maintain the Jenkins build slave
- ▶ Lead development of new major release of our product
 - ▶ The original architecture was of a large, monolithic package which frequently caused regressions downstream
 - ▶ Divaricated 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

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.
- ▶ Rewritten .NET and Microsoft based websites for use in 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 sy
- ▶ Created syncing algorithm for finding other users on the system
 - ▶ One-way encryption was used for matches instead of original contact information.
 - ▶ This prevented privacy concerns of having all user's contacts' data stored unencrypted on the servers.
 - ▶ Normalized email and phone numbers to prevent false positives and maximize matches.
- ▶ Improved and expanded automated testing suite; drastically increasing the code coverage while at the same time drastically reducing the execution time.

- ▶ Handled all server related tasks to support several other developers working on the Android and iOS clients.
 - ▶ Including setting up Nagios to handle monitoring of server nodes, upgrading nodes, and creating new nodes.
- ▶ Built automated server build scripts for use by the rest of the team, decreasing the server-side ramp up time for new app developers from several days to a couple hours.
- ▶ Handled overseeing implementing company websites

2008 — 2013

Kb Port

Server & Web Developer

- ▶ Handled UI design and implementation on several major software revisions over half a decade.
 - ▶ 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 all 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.