Tim Doerzbacher
Software Engineer

📞 412·758·0179
✉ tim@tim-doerzbacher.com
🔗 tim-doerzbacher.com

Skills

- Agile Development
- LAMP Environments
- Linux Administration
- Database Design
- Graphic Design

Operating Systems

- GNU/Linux
- Mac OS X
- Windows

Languages

- Bash
- C/C++
- Erlang
- HTML/CSS
- JavaScript
- LESS
- PHP
- Python
- SASS/SCSS
- SQL
- Yaml

Technologies

- Ansible
- Apache
- Bootstrap
- CodeIgniter
- DataTables
- Durandal
- FreeCAD
- Git
- Jira
- jQuery
- Knockout
- MariaDB
- MySQL
- Nightwatch.js
- NodeJS
- PagedJS
- PHPUnit
- PostgreSQL
- QUnit
- Raspberry Pi
- React
- RequireJS
- Subversion
- Symfony
- Ubuntu
- WebDriver
- WordPress

Noteworthy Accomplishments

I always clean up code bases and enjoy writing comments
There is no such thing as "self documenting" code.

Creation of continuous integration and deployment pipelines in Gitlab
Reduced the release process from several hours to about 30 minutes. A single console command kicks off the release and requires no further input. All version numbers, branches, merge requests, and Jira tickets are automatically created.

Overseeing migration and rewriting of legacy CodeIgniter code to a more modern Symfony/Laravel based project
All the controllers and routing remained in CI, while large swathes were hollowed out and replaced with calls to PSR-based code using composer libraries.

Replaced legacy Tablesaw based list views with DataTables
Event list views were previously hard coded into the application. The new architecture allowed users to configure everything. I later added custom in-place editors for most table cells to allow users to quickly edit rows without needing to open the event editor.

Created new flexible and user customizable view-based rendering pipeline for easily filtering and transforming data into various formats
The new rendering pipeline now supports output in JSON, CSV, and PDF. This allows the same codepath to handle feeding data to the DataTables based event list, and the report generators.

Created new user customizable report functionality for events
The previously implemented version was more limited, and user saved reports couldn't be edited. They could only be deleted and created anew from scratch. The new version would allow editing, rearranging columns, and more on any user saved report.

Completely reimplemented PDF generation to overcome existing limitations and to allow customers more flexibility in the layout of their documents
This was to remove an abandoned project (TCPDF) that had caused innumerable problems. Now all clients have near unlimited control of page layout and branding.

Created new release process to automatically generate and distribute assets in various package formats (NuGet, WebJAR, etc.)
My team provided a shared UI toolkit internally for multiple teams, all using different technologies. Automating the release into formats suitable for myriad development environments saved all of us time and effort.

Implemented visual regression systems for both Opus One Interactive and Intermedix

Lead the project to divaricate a large, monolithic toolkit into independent projects
This was to mitigate frequent regressions and compatibility issues with downstream teams.

Created an application to collect employment applications along with signatures
This was Flash based and way before it was cool to digitally sign documents.

Created a syncing algorithm for a custom instant messaging app that respected user privacy
I developed an algorithm for contact information that would normalize and hash all contact information in a user's address book. This was used to match new friends as people signed up for the app.

Designed and implemented a new product that would allow multiple DVRs to archive and sync video data between nodes.
The system was designed to have a large array of disks to store all the data in a central location. It was then indexed to allow quickly searching, sharing, and restoring to any DVR.

Created a customer service and inventory management software
This software was designed to prevent unauthorized copies of the ETC system while allowing sales and support to upsell new features.

Design a new video packaging format to allow exchange of data between DVRs
We needed a way to store up a dozen or more video streams along with other event data and other metadata. This would then allow easy backups and transferring of recording sessions between DVRs.

Professional History

Senior Software Engineer @ Opus One Interactive	2016 – Now
Front End Engineer / Release Engineer @ Intermedix	2014 – 2016
Subcontractor @ PiCon Web Design & Marketing	2007 – 2015
Full Stack Developer @ Walking Thumbs	2013 – 2014
Server & Web Developer @ Kb Port	2008 – 2013