

# Patrick Reagan

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patrick@the-reagans.com / github.com/reagent / patrick-reagan.com  
ph: 703.303.7977

## Summary

I am an experienced, pragmatic software developer with a love for code quality, collaboration, and continuous improvement. I excel at breaking down complex engineering problems and building applications that deliver value across a diverse set of business domains.

## Experience

### KindHealth - Principal Engineer

*February 2021 - Present*

At KindHealth, I build technology solutions that help scale our growing brokerage business.

- Reworked critical pieces of our PostgreSQL database schema which improved data integrity and allowed us to capture more commission revenue
- Simplified operational complexity by migrating from a SQS / serverless setup to a proven Redis-backed queuing solution that provided better resilience at our smaller scale
- Improved the stability of our core platform through the addition of an integration test layer which allowed the team to more quickly develop features and squash bugs
- Built a shared data access library that provided a migration pathway away from an untested legacy Express / JavaScript backend towards a modern Nest.js / TypeScript backend
- Fostered an engineering culture of constant improvement through thoughtful code reviews, tech-focused presentations, and one-on-one remote pairing sessions with other engineers

### Gloo, LLC - Staff Engineer: Platform

*November 2019 - January 2021*

As Staff Engineer, I architected and built several HTTP-based microservices in support of various in-market applications.

- Improved the quality and delivery of a variety of TypeScript microservices through better API design, thorough testing, and meaningful code reviews
- Helped scale an existing Rails API by directing database reads to be performed against our read-only Aurora replica to handle unique traffic spikes
- Led bi-weekly meetings that provided a venue for engineers to share best practices for application development, demonstrate platform observability features, and keep the team up-to-date on relevant technologies
- Coordinated and directed contractor teams in assisting with feature planning and bug fixes for critical in-market products and supporting microservices

### Viget Labs, LLC - Development Director

*June 2005 - November 2019*

In addition to my work developing applications for a variety of clients, I also:

- Helped grow the company's presence in Boulder from a single person co-working outpost into a full-fledged office
- Created and refined our engineering hiring process in order to provide consistency in evaluation and ensure that only the top candidates were considered for in-person evaluations
- Established, planned, and led the engineering team's bi-annual offsite meetings as a means to connect personally and improve professionally
- Improved software delivery by introducing agile methods that included iteration planning, acceptance test-driven development, and iteration retrospectives
- Educated others in the development community through various presentations at local and regional events

## Viget Labs, LLC - Applications Technologist

November 2000 - June 2005

- Administered internal and client servers running a variety of operating systems, web servers, and databases
- Developed custom database-backed web applications for clients using a variety of languages, databases, and deployment configurations
- Provided technical leadership in the areas of payment systems integration and application performance
- Advocated and implemented development standards that included the use of version control, API documentation, and automated unit and integration testing
- Developed a reusable MVC framework written in PHP that streamlined the application development process

## Selected Client Work

- **2018 - 2019** – Modernized the ticket purchasing experience for visitors to the **Shedd Aquarium** website by providing a deep integration with their existing ticketing software (*Ruby, Rails, PostgreSQL, API Integration*)
- **2017 - 2018** – Worked closely with the web team at **Bethesda Softworks** to re-platform microsites for their popular game titles (Fallout / Elder Scrolls / Quake) using a custom-built PHP library to fetch content from the Contentful API in time for a major E3 announcement (*PHP, Laravel, API Integration*)
- **2016 - 2017** – Launched the new "Best States" microsite for **US News** which allowed users to perform multi-faceted rankings comparisons between US states with data delivered from a major publisher as flat files (*Python, Django, PostgreSQL, Custom API*)
- **2012 - 2015** – Re-platformed the main **Shure** North America web presence which improved product promotion and provided better integration of custom tools (*Ruby, Rails, MySQL, Redis, API Integration*)

## Selected Software Projects

- **Fleakr** (*Ruby*) – A full-featured API client for Flickr photostreams
- **dnsimple** (*Python*) – Re-imagining improved ergonomics for interacting with the DNSimple API
- **minecraft-server** (*Ansible / Python*) – Simplifying setup and teardown of family Minecraft servers

## Publications

**Advanced Rails Recipes** / Pragmatic Bookshelf / 2009 (Contributing Author)

**A Practical Guide to WinCVS and SSH** / CvsGui Project / 2002

**Using Oracle With PHP** / WebMonkey (Wired Digital) / 2001

## Presentations

**Coding with Confidence: Adding TDD to Your Toolset** / CMAP Fall Code Camp / 2009

**Effective Testing for Rails Projects** / Ruby Hack Day / 2009

**Make Everyone a Tester: Natural Language Acceptance Testing** / Developer Day DC & CVREG / 2009

**Changing Your Mindset: Getting Started with Test-Driven Development** / Lone Star Ruby Conference / 2007

**Mockfight! Flexmock v. Mocha** / NovaRUG / 2007

## Education

**James Madison University**

B.S. Computer Science (1999)