

# Tyler Gerard

tylengerard.com/contact

An experienced full-stack web engineer with a proven ability to build and improve complex scalable platforms. Offering a diverse collection of skills and a resolute drive to produce excellent work. Looking for an opportunity to take on a senior/leadership position with a new team working on an exciting project.

- *Programming Languages:* **Ruby, Python, C#,** PHP, C++, Java
- *CMS / Web Frameworks:* **Rails, Django,** Drupal, WordPress, CakePHP
- *Data Management:* **PostgreSQL, Redis,** NoSQL, GraphQL, MySQL, MSSQL
- *JavaScript:* **React, TypeScript, Jest, Cypress, Webpack, ES6, Node,** jQuery, Three.js
- *CSS:* **Responsive Front-Ends, Transitions & Animations,** SASS, CSS3, Bootstrap
- *Mobile Development:* **iOS (C#), Android (Java), React Native,** Cordova, PhoneGap
- *Other Skills:* **AWS,** Hubspot, Photoshop Slicing, Content-Rich Email, Server Management, Unity

## **PathologyWatch** - Senior Web Engineer / Director of Engineering

*May 2022 - Sept 2025*

- Played an integral role in the development of the Laboratory Information System (LIS)
- Designed and built the Django API to support the prototype LIS
- Architected a multi-build monorepo with a shared JS library for the LIS and Dot
- Created a "Grossing Mad-Lib" feature with React which enables Lab Techs to quickly and accurately input gross descriptions
- Optimized load times by up to 87% via improvements to the Django API and developing a "frontloader" for the frontend
- Managed coordination between frontend and backend teams
- Led setup of first international environment for Australia

## **BoardVitals** - Web Developer / Senior Web Developer

*January 2019 - May 2022*

- Successfully launched a new website made with React and an accompanying mobile app made with React Native
- Led the implementation of a new Rails API and shared JS library to support both web and mobile
- Devised a modular responsive style guide using Pattern Lab to standardize the appearance of React components
- Improved marketing workflows with custom Hubspot integrations and automation

## **TG Development** - Self Employed

*July 2017 - January 2019*

- Worked as an independent contractor building and improving upon websites for a variety of clients

## **LRXD (Common Good)** - Web Developer

*October 2013 - July 2017*

- Created websites for a wide variety of clients using technologies such as WordPress, Drupal, Backbone.JS, and Angular.JS
- Built a new website and mobile app for CorePower Yoga using React, React Native, and Rails
- Created content-rich cross-platform email templates for Kampgrounds of America
- Automated a complex XML to MSSQL menu update process for Red Robin

## **University of Missouri: Columbia** - BS Information Technology

*December 2012*

- Built a native iOS App with C# for the Columbia Convention and Visitors Bureau
- Worked part time at local agency Caledon Virtual building websites with WordPress
- Held summer internship at Global Velocity writing test scripts with Selenium

**Hobbies and Interests:** Aviation (training for private pilot license), snowboarding, hiking, camping, playing with my dogs, woodworking, aquascaping, board games, videogame development, and more