

Tyler Gerard

tylergerard.com

- *Programming Languages:* **Ruby, Python, C#, PHP, C++, Java**
- *CMS / Web Frameworks:* **Rails, Django**, Drupal, WordPress, CakePHP
- *Data Management:* **PostgreSQL, GraphQL, FastAPI, Redis**, NoSQL, MySQL, MSSQL
- *Infrastructure:* **AWS**, Batch, Lambda, SQS, Step, S3, Apache, Nginx, Server Management
- *JavaScript:* **React, TypeScript, Jest, Cypress, Webpack, ES6, Node**, Angular, jQuery, Three.js
- *CSS:* **Tailwind, Responsive Front-Ends, Transitions & Animations**, SASS, CSS3, Bootstrap
- *Mobile Development:* **iOS (C#), Android (Java), React Native**, Cordova, PhoneGap
- *Leadership:* Team building, problem solving, project management, collaborative innovation
- *Other Skills:* **Docker**, Continuous Integration, **Git**, Webhooks/External Integrations, Agile, Hubspot, Photoshop Slicing, Content-Rich Email, Unity, Gamification

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 with an event-driven backend
- 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
- Led setup of first international environment for Australia
- Led team building exercises and fostered coordination between teams
- Took ownership of roadmap planning, sprint planning, and daily standups

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