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* |
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• 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* |
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• 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* |
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• Worked as an independent contractor building and improving upon websites for a variety of clients

| **LRXD (Common Good)** - Web Developer | *October 2013 - July 2017* |
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• 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* |
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• 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