

Drew Norman

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Summary

A motivated, quick-learning software engineer with eight years of experience in full stack development and cloud-native technologies; adept at a variety of programming languages; comfortable with a number of industry-standard frameworks and libraries; and capable of effective communication in fast-paced, team-oriented environments.

Experience

- Expert in PHP and JavaScript/TypeScript
- Proficient in Python, Go, Rust, C/C++, and Bash
- Efficient in creating and maintaining React/Redux and Vue/Vuex applications
- Versed in RESTful API development with Node/Express, PHP/Laravel, Python/Flask, and Go
- Effective with many web frameworks including Next/Nuxt, Express, Laravel, and Flask
- Practiced in more niche web technologies like WebGL, WASM, and WebSockets
- Adroit at developing unit tests with native language tools and many popular testing libraries
- Capable of producing efficient command-line tools in Bash, JS, Python, PHP, Go, and Rust
- Comfortable overseeing interactions with MySQL, Redis, MongoDB, and similar services
- Experienced in managing hosting with Apache, IIS, Nginx, and Node JS
- Accomplished in local application development and testing with Docker and Docker Compose
- Confident versioning with Git using a variety of branching patterns and workflows
- Skilled in setting up and maintaining CI/CD pipelines across several platforms
- Experienced in monitoring and managing Google Cloud and Microsoft Azure resources
- Knowledgeable about SOAP, GraphQL, gRPC, and Webhooks
- Familiar with container orchestration and monitoring using Kubernetes
- Capable of producing functional prototypes from Figma and Adobe XD mockups
- Versed in front-end development prioritizing ADA web accessibility
- Deft with jQuery, Tailwind, Bootstrap, Foundation, and templating with Twig/Blade
- Productive in Linux, Mac, and Windows environments

Employment

February 2025 – Present: Senior Full Stack Developer (Remote)

February 2020 – February 2025: Full Stack Developer (Remote)

FoxFuel Creative, Nashville, TN

- Lead development of responsive, engaging web applications per client requirements
- Create safe and robust RESTful APIs to handle various application data requests
- Prepare cron jobs for automated data harvesting, verification, and purging
- Maintain several VPSs and the numerous associated accounts, data, and jobs
- Debug production instances and apply hotfixes across a number of platforms
- Provide automated API integrations with Google, Shopify, Stripe, and Instagram
- Oversee incorporation of ES6, JSX, and Vue SFCs via Webpack/Vite
- Dockerize local development within various project structures
- Set up unit testing scaffolding with Jest and maintain minimum test coverage
- Introduce server-side testing of internal classes and API controllers with PHPUnit
- Stage and release applications following comprehensive end-to-end testing

- Instigate Git branching strategies to better support parallel feature development
- Consolidate data across multiple APIs into interactive web charts
- Generate stylized PDF files from user-submitted data
- Produce interactive web tools for generating email signatures
- Design and maintain a client-specific web application for robust campaign email generation
- Support single sign-on across several applications with SAML in PHP
- Oversee BEM/SMACSS-based SCSS styling according to design specifications
- Develop impressive animations and engaging user experiences with GSAP
- Integrate and customize Tailwind/Foundation/Bootstrap components and utilities
- Prioritize support for mobile devices and touchscreens
- Investigate new libraries, tools, and techniques as the web landscape develops

February 2017 – January 2020: Full Stack Developer

The Center for Innovative Teaching and Learning at WKU, Bowling Green, KY

- Designed, implemented, and maintained a minimalist, customizable PHP framework
- Trained and supervised student web developers in our framework, conventions, and workflow
- Lead code reviews to enforce standards and maintain the integrity of our codebase
- Maintained and monitored different long-term storage services across many environments
- Produced dynamic PDF forms, documents, and certificates
- Generated interactive web reports from data across many datasets
- Built different APIs to allow authorized access and manipulation of specific data domains
- Collaborated on a software project to automate capture of classroom whiteboard content
- Produced a browser extension allowing a transcription pedal to communicate with a web app
- Developed a custom front-end system to simplify component data hydration
- Oversaw the design and development of several robust testing suites
- Instigated the adoption of Bootstrap to allow for easier on-boarding of student developers
- Preserved application security in regularly auditing adherence to the latest best practices
- Introduced new libraries, tools, and resources, keeping systems and processes up-to-date

June 2016 – February 2017: Student Web Developer

Distance Learning at WKU, Bowling Green, KY

- Created features, fixes, and tests for internal application APIs in PHP
- Developed responsive user interfaces with JavaScript/jQuery/HTML/CSS
- Reviewed and revised code for ADA web accessibility compliance
- Staged, released, and updated applications hosted via IIS

Education

Western Kentucky University (WKU) | Bowling Green, KY

BS in Computer Science

- Graduate of the Honors College at WKU
- Date of Graduation: May 2017
- Major Coursework:
 - Computer Science I-III, Intro to Database, Computer Organization and Architecture, Numerical Analysis I, Data Structure and Algorithm Analysis, Intro to Web Programming, Programming Languages, Operating Systems I, Intermediate Software Project, Software Engineering
- Related Coursework:
 - Calculus I, Calculus II, Multivariable Calculus, Differential Equations, Intro to Linear Algebra, Probability and Applied Statistics