Joseph Gross

Senior Software Engineer

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An analytical and innovative backend developer specializing in backend and web applications. Focused on creating robust functionality and seamless integrations for websites and systems to ensure efficient data management. An exceptional team collaborator who leverages actionable data insights to solve complex problems and drive continuous improvement.

Skills

Programming   Containers   Databases   WordPress   Web Applications   HTML5 & CSS   JS Frameworks   GraphQL   Rest API   Auth0   Project Management   System Architecture & Design

Programming: Go, PHP/Laravel, Java, C# & C++, Python/Django
JS Frameworks: Node.js, React, Gatsby, Vue.js, Nuxt, Angular
Databases: MySQL, Postgres, SQLite, SQL Server, MSSQL, Redis
Project Management: Teamwork, Jira

Experience

Senior Web Developer

Soivis LLC | *Uniontown, OH*   July 2024 - Current

> **API integration**: Helped create integration with 3rd party software and services.
> **Problem Solving & Debugging**: Helped debug issues with websites to resolve bugs.
> **Custom Wordpress functionality**: Working with front end developers, I help create custom functionality needed for Custom Themes and Plugins in different Websites and Location Finders.

Technologies used: Using PHP, Javascript and MySQL, to create custom WordPress themes and plugins to create robust websites. Using Rest APIs and GraphQL to create functionality and integration to different CRMs like Zoho and Salesforce.

Senior Software Engineer

Tradefull | *North Canton, OH*   July 2022 - June 2024

> **Backend Development & Feature Maintenance**: I scoped and planned project, working across teams with front-end, designers and operations members to ensure features were built properly and to spec in a timely manner.
> **Enterprise-Grade Systems**: Develop and manage enterprise-grade WMS and OMS applications capable of handling large data volumes, ensuring reliability and performance, removing manual processing, and Improving warehouse operations by at least 30%.
> **Problem Solving & Debugging**: Utilize strong analytical abilities to debug and resolve issues within the existing codebase, maintaining system stability and performance, and increasing speed by as much as 40%.

Technologies used: Using PHP/Laravel, MSSQL, Redis, Javascript, and Vue.js, I contributed to our proprietary Warehouse Management Software (WMS), Order Management Software (OMS), and Product Information Management (PIM), ensuring smooth operations across our warehouses. Using Jira to manage the work in two-week sprints, I helped mentor junior developers to get projects done promptly. I also used SOAP, Rest, and GraphQL to create different API integrations. Often, I was the go-to person for resolving urgent issues when quick fixes were needed.

Lead Web Developer

Ignitro | *Canton, OH*   Sept 2017 - July 2022

> **Website Development**: Collaborate with team members to develop and launch over 40 websites across multiple verticals, including senior living, self-storage, and healthcare, driving innovation and increasing the customer base.
> **Custom Solutions**: Worked directly with clients to help build custom WordPress themes and plugins to create the functionality requested. This includes working with Rest, Soap and GraphQL APIs such as Quickbooks, Google Maps,

Shopify and Salesforce.
> **Project Management**: Working with 10 different agencies and over 15 different clients, I scoped and created project proposals as well as worked with the clients for reporting and updating the progress of the projects inside teamwork.
> **DevOps**: Worked with hosting providers like WP Engine, Pantheon, Netlify and others to manage the websites as well as creating CI/CD integrations to automatically compile and deploy code to the websites.

Technologies used: Built websites and web apps using MySQL, PHP, Javascript and jQuery with WordPress and WooCommerce as the foundational frameworks, and used javascript frameworks such as Vue, React, Gatsby, and Ember.js. Managed project planning and workflows with Teamwork Projects. Additionally, I have experience developing web applications using various JavaScript frameworks.

Web Developer
Digital Marketing Group | *New Philadelphia, OH*   April 2016 - August 2017

> **Custom CMS Development**: Built and managed the design, functionality, security, and SEO of a custom content management solution tailored to each client's unique needs using PHP, MySQL, Javascript and jQuery.
> **Security & SEO**: Ensured robust security measures and optimized SEO for the in-house custom content management solution.
> **Client-Specific Customization**: Communicating with clients, I worked with and Delivered personalized solutions by customizing the CMS for each client's unique needs, ensuring satisfaction and usability.

Projects

My Gross Portfolio My Portfolio Website
> Built with WordPress, loaded through Composer, and a custom theme developed using the Sage framework by Roots.
> The theme is using composer and yarn to install packages needed.
> Selfhosted with my homelab, using AWS S3 bucket, for media storage, distributed via AWS CloudFront, and enhanced with Cloudflare for additional security and performance.
> Created a CI/CD to automatically compile and build a docker package that allows easy updates to the website on my Homelab.
> The code is viewable on github.

AniManager Go application
> Using the AniList API to track and store release dates, times, and show information in a PostgreSQL database.
> Once the episodes air, an announcement is made on Bluesky to let followers know they're now live.
> This process is automated with cron jobs and commands within the Go application.

Flex Maps WP Custom WP Plugin
> Developed a WordPress plugin utilizing the Google Maps API to manage, and maintain locations efficiently.
> Implemented customizable solutions including geolocation, Ajax loading, complex search criteria, and support for international locations to meet diverse user needs.

Homelab My Personal Homelab Setup
> Designed and implemented a scalable, automated home server infrastructure combining Linux (Ubuntu/Debian), Nginx Proxy Manager, Tailscale VPN, Cloudflare DNS, Pi-hole, and Plex to streamline media streaming, content management, and secure networking. Automated content workflows for seamless download, organization, and real-time monitoring of server performance.
> Managed dedicated game servers, optimizing for multiplayer performance and uptime. Employed Bash scripting for task automation and system optimization, while ensuring secure access through VPNs and ad-blocking with Pi-hole.
> This project improved operational efficiency, reduced manual intervention, and created a secure, scalable, and highly available ecosystem, providing seamless access to media and gaming services.

Education

Pittsburgh Technical College 2014 - 2016

> **Associate's Degree (A.S.)** Computer Programming