

Alex Bauman

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Summary

Detail-oriented full stack developer with a master's in computer science and 7 years of experience building custom web applications. Likes to take things apart to see how they work. Looking for a challenging position that will build new skills as a developer.

Skills

- | | | |
|-----------|-------------------------------|------------------------|
| • PHP | • JavaScript | • Linux/Mac OS/Windows |
| • Laravel | • Vue | • Vim |
| • MySQL | • Object Oriented Programming | • C# |
| • Git | • Test Driven Development | • Java |
| • Docker | • Domain Driven Design | |

Experience

BI Worldwide

Lead Software Engineer

March 2021 - Present

- Worked with Business Analysts closely to define features and set technical specifications
- Lead projects and made design pattern decisions on the application level
- Helped implement and test new CI/CD pipeline features using GitLab jobs and containers
- Set up and documented a new standard development environment using Docker
- Advocated for and practiced Test Driven Development with PHPUnit
- Participated in pull request reviews and feature code reviews through GitLab
- Mentored entry level engineers on best practices
- Optimized code and queries for working with large data sets
- Troubleshoot difficult technical issues

Hanson Information Systems

Lead Web Application Developer

Jan 2015 - March 2021

- Engineered back end code and designed front end displays using modern frameworks and best practices
- Utilized content management systems to rapidly develop small websites
- Collaborated with a team on large enterprise applications
- Maintained and deployed code using Git
- Configured and launched websites on shared servers and performed basic server maintenance
- Oversaw project requirement collection, proposal writing, and timeline creation for all projects
- Managed a small team of developers and mentored junior developers
- Provided support and performed bug fixes

Projects

BI Worldwide

HVAC Installer Sales Incentive Software

2021

- Engineered sales incentive software using Laravel 8, PHP 8.0, and MySQL 5.7
- Utilized Domain Driven Design to separate code responsibility
- Leveraged Laravel's events and jobs in an Event Source inspired architecture
- Developed using Test Driven Design

BI Worldwide

Oil Change Sales Incentive Software

2022

- Updated a legacy Laravel 6 project to Laravel 8 and PHP 8.0
- Integrated features and migrated user audience from another sunset application
- Made minor front end changes using Vue

Hanson Information Systems

Profit/Loss Statement System for the Blind

2020

- Designed and implemented custom data entry/accounting software using Laravel 7
- Developed application using test-driven development method with PHPUnit
- Built pages for screen reader technology to accommodate visually impaired users, compliant with ADA regulations and usability standards

Hanson Information Systems

Prescription Monitoring Program - Interconnect

2019

- Integrated third-party PMP Interconnect functionality to an existing C# project
- Implemented two-step encryption according to the Prescription Monitoring Information Exchange architecture to protect personal health information
- Utilized a RESTful API to enable the application to send and receive prescription data

Education

Master of Science in Computer Science

Univ. of Illinois Springfield

Bachelor of Science in Computer Science

Univ. of Illinois Springfield