

Brad N. Berkobien

(810) 479-7265 · bradberkobien@gmail.com

I am passionate about using programming languages and libraries to not “recreate the wheel” to give the project an advanced feature set.

Programming Skills

ArcGIS

C#, VB.Net, Java, PHP

ASP.NET, .NET MVC, Spring

SQL, PL/SQL, Dapper

Node, Angular, Vue/VueX

HTML5, CSS3, JavaScript, jQuery

Bootstrap, Material UI, Vuetify

Epicor ERP, WordPress

Software Tools

GitHub, VSTS, Eclipse, VSCode

SourceTree, BitBucket Server

GitBash

Crystal Reports, Ngx-Datatable

JIRA, Rally, Test Rail, DevOps

Android Studio, xCode, SmartDeviceLink

JAWS, Ainspector

Sharepoint, Scrumwise

PROFESSIONAL EXPERIENCE

State of Michigan DTMB, Lansing, MI

February 2020 – April 2021

Information Technology Specialist 14 (Lead Developer)

At the State of Michigan, I was one of five full-stack developers contributing to the Michigan Online Education Certification System (MOECS) in an Agile Environment. The Department of Education needed help enhancing this web application to meet ADA compliance. Other UI enrichment and COVID-19 updates came with time. This position has been fully remote, requiring all agile processes to be carried out through Microsoft Teams and Outlook. Managers were kept closely in the loop of team activities via daily emails and interaction through Azure DevOps.

- Direct involvement with Manager and Client on a regular basis to ensure satisfaction of deliverables. Managed junior level developers and assisted them where necessary.
- Handled software through its whole lifecycle. Receiving requirements from the Client and Business Analyst, writing code to meet the task's needs, merging it through four environments (all the way to production), reviewing other developers' code, peer reviewing others' tickets, working directly with quality assurance and DBA's to see the ticket through to production.
- Coordinated planning and timeline for a large update to the way educators (users) applied for initial certificate applications whether in-state or out-of-state. The development involved paired programming with another Senior level developer starting with a large SQL Server data update on existing data, followed by mostly backend

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.updates on ASP .NET Pages and their code-behinds which had access to the BLL, DTO, and DAL.

Programmer Analyst II (Contract)

- Assumed role as a full-stack developer and wrote software for the highest priority at the time, whether it be a new feature or rewrite on the front-end, different logic modifications / endpoints on the backend, or data fixes in the SQL Server database.
- Cross-browser compatibility was a key aspect to keep in mind when developing this project. Google Chrome, Mozilla Firefox, and Internet Explorer 11 were used for testing with JAWS and UI compatibility. I led the push for Microsoft Edge with Chromium after revealing the downfalls of developing for a nearly deprecated browser.

Technologies used: JavaScript, jQuery, JSON, REST, Bootstrap, CSS, HTML, C#, SQL Server, SQL, JAWS, ASP.NET Web Forms / .NET MVC Web API, Azure DevOps, TFS, AngularJS

Spartan Motors Inc, Charlotte, MI

July 2019 – December 2019

Applications Developer

At Spartan Motors, I was one of four developers contributing to our internal Enterprise Resource Planning system. Spartan has acquired many companies which are all using different ERP systems, hence the implementation of a common model solution.

- In a timely manner I took an outdated desktop application and transformed into a web application. The architecture and languages I chose to use were: C#/.NET multi-project solution using the MVC architecture with Entity Framework 6, Vue.js, Node.js, Webpack.js, etc. Deployed onto a local server, was reviewed, and implemented to production in under two weeks.
- As part of a 12-person team, we worked in two-week agile sprints. There were daily meetings with Project Leads, Business Analysts and Developers. To fulfill the requirements of the end users and stake holders, Prepare, Design, Validate and Deploy project stages were utilized.
- As a developer, I was expected to create new customization's, BAQ's, reports, direct SQL, Service Connect, etc.

Technologies used: Epicor ERP, C#, VB.NET, SQL, SQL Server, Service Connect, Node, Webpack, Vue, JavaScript, jQuery, Axios, MVC, JSON, REST, HTML, CSS, Git, SourceTree, Entity Framework

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i2Integration, Grand Ledge, MI

May 2018 - July 2019

Full-Stack Developer

At i2Integration, I was one of the three original architects on a multi-million-dollar re-build project to convert a desktop app, into a full web based progressive web app that would also run offline. This web app supported over 350 field users and an additional 500 office-based users. As an original architect, I was on the team to create the entire database and foundational code structure. The project included, custom API's with an MVC architecture, .Net technologies, C#, Vue.js, and IndexedDB for the offline storage. I also helped manage clients with smaller websites and needs.

- Implemented code libraries, such as Vuetify to shorten the development time ultimately saving the client countless hours and finances.
- As part of an 18-person team, we worked in an agile two-week cycle sprint creating bi-monthly deliverables. I worked coordinated with all internal stakeholders through JIRA, Confluence, and Slack, to develop the product as one of the primary developers.
- Worked with client stakeholders to develop operational and user requirements gathering and validation testing in sprint cycle meetings.
- Supported Ford Motor Company's developer program, a global website and resource hosted in three countries with full data replication and load balancing, by ensuring proper maintenance, database optimization, and site monitoring tools.
- As part of a development team, we integrated a mobile app into the head unit of Ford's App Link platform and head unit. The app was able to communicate with specific vehicle functions and interact with the user while abiding to all local laws and guidelines.
- Implemented dynamic architecture, as pre-developed libraries, or snippets, for both the Ford and other large client of i2 to allow for rapid yet standardized development iterations.
- Managed smaller WordPress websites for clients that utilized PHP and different Plugins.

Technologies used: Vue, Vuetify, Vuex, Node, JavaScript, DotNetNuke, jQuery, JSON, REST, Axios, Dapper, Vuetify, Bootstrap, CSS, HTML, C#/.NET, Entity Framework, SQL Server, SQL, LINQ, Webpack, Android Studio, PHP, WordPress

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Kunz, Leigh & Associates, Okemos, MI

October 2016 - April 2018

Full-Stack Developer

- Worked with a few developers and a project manager in an agile environment to create a web-based railroad management application for the Public Utilities Commission Office of Ohio.
- Developed server-side web services with C#/.NET, utilizing in-house CRUD framework.
- Designed and implemented client-side UI with Angular 2+, fixing bugs along the way.
- Tested completed tickets assuring quality.
- Performed code reviews and Jenkins builds when necessary.
- Demoed code to remote clients via Zoom after every two-week sprint.

Technologies used: Angular, Node, JavaScript, Typescript, jQuery, JSON, REST, SOAP, ArcGIS, Bootstrap, CSS, HTML, C#/.NET, Entity Framework, SQL Server, SQL, LINQ, Webpack, Gulp, Ngx-Datatable3

At KL&A, I was a **primary developer** assigned to a **customized government software** system that used **geographical mapping** to present up to date and **visual tracking information and management** of the railroad system for the **entire state of Ohio**. To complete the requirement of **real-time** information, we choose **ArcGIS** to manage the full abilities of **Geo Tracking**. Other technologies that were used to complete this project were .Net, C#, SQL (LINQ/Entity) Node, Angular, and front-end design libraries.

- **Using Jenkins and** manual methodologies, I performed weekly code reviews and managed continuous development practices to ensure the stability of the code and release schedule.
- **Designed and implemented the UI/UX** of the program through front end tools and libraries.
- Provided **full-cycle quality assurance** on both the code and the system itself through automated and manual test plans.
- Presented the **Sprint retrospective** bi-monthly with both the internal and **client stakeholders** in remote and on-site sessions.

Mahle Test Systems, Farmington Hills, MI

October 2012- June 2016

Multiple Roles

- Soldered components and assembling company products.
- Travelled Internationally to rollout new software and monitor products.
- Extensive quality assurance.
- Wrote Senior Thesis on improving performance in a SQL Server database.

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- Fixed bugs and implemented features on Java Web Applications.
- Created and designed two internal applications to automate mundane tasks.
- Presented biannually to demonstrate growth.

Technologies used: Java, Spring MVC, REST, HTML, CSS, JavaScript, SQL Server, SQL, Gradle, JUnit, EasyMock

EDUCATION

Kettering University, Flint, MI

July 2012 - March 2017

Bachelor of Science in Computer Science/System and Data Security Concentration,

Classes included Computing and Algorithms I, II and III, Discrete Mathematics, Theory of Computation, Cryptography, Functional Languages and Parsing, Digital Systems, Microcomputers I, Computer & Network Security, Software Engineering, Operating Systems, Web Software tools and four levels of Calculus.

Minor in Literature