

Brad N. Berkobien

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I am a diverse team player who is passionate about using programming languages and libraries to give projects an advanced *feature* set by not recreating the wheel.

Languages/Frameworks/Libraries

Swagger REST API

C, C++, C#, VB, Java

ASP.NET Webforms, ASP.NET MVC

Angular, Vue, Knockout, Node

HTML5, CSS3, JavaScript, jQuery

Bootstrap, Vuetify, Aspose, DevExpress

Entity Framework, LINQ, SQL

Software Tools

Visual Studio, Eclipse

SourceTree, GitHub

Visual Studio Code, SSMS

JIRA, Confluence

JAWS, AInspector, Postman, Telerik

Wireshark, Fiddler

PROFESSIONAL EXPERIENCE

**NAVEX Global, Lake Oswego, OR**

September 2022 – Present

*Senior Software Engineer, Production Support*

At Navex, I am one of numerous engineers supporting the application PolicyTech. The Sustenance Engineering team consists of 16 individuals. We triage tickets and troubleshoot problems promptly. We take complex bugs, some more critical than others, and break them down, relaying them to critical stakeholders ensuring clients a fix will be in place by us or Product Engineering. We have daily standups, and retrospectives after each monthly release. All this work is done remotely.

- Performed many pull requests into PolicyTech to fix existing problems
- Presented on RESTful APIs and how they work at a monthly Knowledge Share
- Worked to ensure applications conformed to modern security practices and third-party penetration testing by confirming findings and implementing fixes

- Documented and implemented advanced troubleshooting techniques for WordModule C++ Application
- Contributed to Microsoft Word Add-In Tool
- Emphasized the importance and utilized communication platforms to stay up to date with the team on progress and blockers

**Technologies used:** C#, ASP.NET, SQL, JavaScript, TypeScript, jQuery, Bootstrap, MVC, JSON, REST, HTML, CSS, Aspose, WOPI, WebDAV, Git, Webpack

**Northpointe Inc, Traverse City, MI**

July 2021 – August 2022

*Senior Software Developer*

At Northpointe, I was one of five developers contributing to our criminal just product, the Northpointe Suite. The team consists of 5 developers, 3 Quality Assurance personnel, 2 Dbas', a product owner, and an R&D Manager. We develop in an extremely agile environment, leaving the clients happy. We have two-week sprints, daily standups, estimation meetings with pointing poker, and retrospectives where we demo our work. All this work is done remotely.

- Expanded UI/UX as a part of the project overhaul. This involved extensive CSS work to rebrand the app for clients
- Tech spikes to research and devise the implementation of a SAML integration as well as tackling major dialog enhancements to web forms and razor pages
- Utilized the Telerik Report Server and its API to integrate further customizable reports into our solution
- Confluence documentation on a variety of subjects, for example, this could go from a tutorial on setting up the whole application from cloning the repo to setting up IIS or it could be posting handy code snippets or tutorials on error handling
- Emphasized the importance and utilized communication platforms to stay up to date with the team on progress and blockers

**Technologies used:** C#, VB, ASP.NET, Entity Framework, SQL, JavaScript, jQuery, Bootstrap, MVC, JSON, REST, HTML, CSS, Git

**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 User

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

#### *Programmer Analyst II (Contract)*

- I 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 JAWS and UI compatibility. I led the push for Microsoft Edge with Chromium after revealing the downfalls of developing for a 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

**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 it 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, NPM, Webpack, Vue, JavaScript, jQuery, Axios, MVC, JSON, REST, HTML, CSS, Git, SourceTree, Entity Framework

**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 APIs with an MVC architecture, .NET technologies, C#, Vue.js, and Indexed DB for offline storage. I also helped manage clients with smaller websites and needs.

- Implemented code libraries, such as Vuetify to shorten the development time 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 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.

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

**Kunz, Leigh & Associates, Okemos, MI**

October 2016 - April 2018

*Full-Stack Developer*

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.

- 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, ArcGIS, Bootstrap, CSS, HTML, C#/.NET, Entity Framework, SQL Server, SQL, LINQ, Webpack, Gulp, Ngx-Datatable3

**MAHLE Test Systems,** Farmington Hills, MI

October 2012- June 2016

*Multiple Roles*

- Soldered components and assembled company products
- Travelled Internationally to roll out new software and monitor products
- Extensive quality assurance within Microsoft Excel and Rally
- Authored Senior Thesis on improving performance in a SQL Server database
- Fixed bugs and implemented features on Java Web Applications
- Hand built a Com-Port Scanner in C++ and a Lunch Ordering app which used an Ini file as a Database
- 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  
March 2017

July 2012 -

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

Minor in Literature