

Parker Bidigare

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Professional Summary

Dynamic and innovative senior software development professional with over ten years of comprehensive experience in designing, developing, and deploying web and software applications. Proven expertise in managing the full software development lifecycle (SDLC) from concept through to delivery, with a strong focus on .NET, JavaScript, Java, Python, and modern web frameworks. Demonstrates exceptional leadership skills, having successfully managed cross-functional teams in an Agile/Scrum environment, enhancing team productivity and project efficiency. Excellent communicator, adept at fostering strong relationships with clients and stakeholders, ensuring projects align with business goals. Seeking to leverage technical acumen and leadership abilities to drive innovation and excellence in software development projects, particularly in C# ASP.NET, JavaScript, Java, Python, Angular, React, Blazor, and with some AI Technologies like Tensorflow or LangChain.

Experience

Senior .NET Software Engineer

Equivant, MI | Sep 2022 - Mar 2024

- Led the development of a Progressive Web Application (PWA) for the Stanislaus County Judicial Portal using ASP.NET Core MVC, Webpack, Blazor WebAssembly, and jQuery.
- Implemented responsive design principles and optimized performance for mobile devices.
- Utilized Entity Framework Core for efficient data access and management.
- Integrated OAuth 2.0 and OpenID Connect for secure authentication and authorization.
- Enhanced the Northpointe Suite, combining .NET Framework 4.8, ASP.NET MVC 5, and Knockout.js for improved jail operations management.
- Implemented CI/CD pipelines using Azure DevOps, including automated testing with xUnit, Jest and Cypress.js.
- We Used AWS to host our web applications, we were switching over to AWS from Azure, however had a majority of the CI/CD in azure.
- Developed Docker compatible applications, including the Judicial Portal Project.

.NET Developer

Cynerge, Pontiac, MI | Jul 2018 - Aug 2022

- Developed and enhanced web applications for BOSS, MADB and MARS projects using a diverse tech stack.
- Worked with Microsoft Power BI to analyze and visualize data.
- BOSS Project (USDA Forest Service):
 - Utilized Java with Spring Boot and Maven for backend development.
 - Implemented front-end using vanilla JavaScript, jQuery, HTML5, CSS3, and SCSS while compiling done with node.js for the front-end.
 - Created a custom JavaScript framework by scratch for dynamic component generation from JSON files and organized JavaScript file importing using ES6.
 - Integrated with OAuth authentication via USDA's FSapps service.
 - Utilized Microsoft SQL Server for database management with Entity Framework.
 - The Dev-ops pipeline worked with Jenkins, however, was ported to AWS.
 - Built with docker and Kubernetes, ran on a Linux server with a containerized Microsoft SQL Server Database and application container on AWS EC2.
- MARS Project (Smoke Jumpers Reporting):
 - Focused on .NET 6 C# API backend development.
 - Implemented Data-Driven Design (DDD) principles with entity framework database scaffolding.
 - Optimized search algorithms and implemented comprehensive logging.
 - Managed data migrations using Entity Framework Core with Oracle database and Microsoft SQL Server.
 - Implemented RESTful API design principles and GraphQL for flexible data querying.
 - Angular 2+ Front-end using TypeScript as the JavaScript Framework.
 - Worked with AWS to publish and maintain our hosting for the MARS project.
- MADB (Master Action DataBase):
 - A .NET 6+ backend in C# with a Microsoft Sql Server for the Database
 - Angular 2+ front-end with typescript to build the Front-end of the web application.
 - Telerik reporting server for producing Telerik reports.
 - An all-in-one place for the forester service to gather any information in the agency for various uses, hence the name of the project.
 - Did a lot of refactoring and adding additional features to the project, while communicating to clients of feature requests and bug fixes.

.NET Application Developer

Trade First, Southfield, MI | Mar 2017 - Jul 2018

- Modernized legacy website, upgrading .NET framework from 2.0 to 4.6.
- Engineered a catalog and shopping cart system using ASP.NET Framework, JavaScript (ES6+), CSS3, HTML5, and C#.

- Implemented responsive design using Bootstrap and custom CSS Grid layouts.
- Utilized Web API for RESTful service development and LINQ for efficient data querying.

Information Technology Engineer

Auburn Pharmaceutical, Troy, MI | Mar 2016 - Jul 2017

- Upgraded company website using VB.NET, ASP.NET Web Forms, CSS3, HTML5, JavaScript, and jQuery.
- Implemented secure credit card processing integrating REST APIs with payment services.
- Developed Java applications for DEA API integration, focusing on secure management of controlled substances.
- Created an automation image uploading tool using C# .NET and ADO.NET for efficient database management of medication images for the website.
- Utilized Bootstrap and Tailwind CSS for responsive, mobile-first design.
- Implemented Azure Blob Storage for efficient handling of image uploads and storage.
- Worked with Microsoft SQL Server and IBM DB2 for the databases.

Junior .NET Web Application Developer

Oakland University, Rochester, MI | May 2013 - Jan 2016

- Developed automation for University's Commencement Process from scratch using C# ASP.NET WebForms, HTML5, CSS3, and JavaScript.
- Integrated Microsoft SQL Server and Oracle Database for comprehensive data management.
- Implemented LDAP-based authentication and authorization system.
- Utilized AJAX for asynchronous data loading and updates.
- Implemented caching strategies to optimize application performance.
- Developed ColdFusion web application for a grants research website for the university.
- Worked with Excel VBscript and Microsoft Access Database to build a form application for administration to enter and gather information.
- Worked both with SVN and git for versioning control.

Skills

Expert in:

- .NET ecosystem: .NET Framework, .NET Core, ASP.NET Web Forms/MVC/Web API
- Languages: C#, VB.NET, JavaScript (ES6+), node.js, Python, Java
- Databases: Microsoft SQL Server, T-SQL
- Front-end: React, jQuery, Blazor WebAssembly, Angular

- Styling: HTML5, CSS3, SCSS, Bootstrap
- Build tools: Webpack, Vite
- DevOps: GitHub Actions, Azure DevOps, Docker
- Testing: Jest, xUnit
- Project Management: JIRA, Agile Scrum
- Reporting: Telerik Reporting
- Server Management: Linux (Server/Desktop), Internet Information Services (IIS)
- UX/UI Design: Wireframing, Prototyping
- Code Quality: SonarQube, Snyk, Linting

Intermediate in:

- Languages: TypeScript, ColdFusion, Lua
- Frameworks: Spring Boot, Maven, Knockout.js, Blazor MAUI, bun.js
- 3D/VR: WebXR, Three.js
- AI/ML: TensorFlow, Keras, Torch, ML.net
- Databases: MongoDB, Oracle Database
- CI/CD: Jenkins, AWS
- Testing: Cypress.js, Karma
- Mobile Development: React Native, Expo

Basic in:

- Languages: C/C++, Rust
- Web Technologies: HTMX
- Cloud Platforms: Google Cloud Platform
- Front-end: vue.js

Education

Associate's Degree - General Studies *Macomb Community College, Rochester, MI* | Aug 2011 - Nov 2013

Professional Development

- Completed advanced online courses in Machine Learning and AI using TensorFlow and Python (Coursera, 2023)
- Participated in Microsoft's .NET Conf, focusing on latest ASP.NET Core and Blazor developments (2022)
- Attended workshops on Microservices Architecture and Domain-Driven Design (O'Reilly, 2021)
- Completed a comprehensive Angular Master Class, covering advanced topics and best practices (2020)
- Regular contributor to tech community forums, particularly Stack Overflow, focusing on .NET and JavaScript topics

Technical Projects (All projects are on my portfolio site)

- **AI-Powered Code Refactoring Tool (AIFT):** Developing an advanced AI-powered code refactoring tool that combines Large Language Models (LLMs), Retrieval-Augmented Generation (RAG) systems, and recurrent neural networks. This innovative system automates code refinement, enhancing quality and maintaining best practices across large-scale projects. By integrating cutting-edge AI technologies, the tool aims to streamline the refactoring process, significantly boosting developer productivity and codebase efficiency.
- **Mobile webConsole:** worked with a lot of augmented reality applications testing on my phone, so I built a dev tools popup that shows you the console logs, event logger and can be customized to your liking.
- **WebAssembly Front-end Framework (Wafis):** Engineered a cutting-edge front-end framework combining component-based architecture and routing with WebAssembly integration. This framework empowers developers to create high-performance web applications by leveraging WebAssembly modules written in AssemblyScript, Rust, or C++. The versatile language support allows for optimal performance in computationally intensive tasks while maintaining the flexibility of traditional web development paradigms.

Achievements

- Automated the entire commencement process for Oakland University, transitioning from manual pen-and-paper to an innovative, efficient digital system.
- Implemented a full CI/CD pipeline at Cynerge, enhancing from manual builds to an automated process with analytics collection.
- Developed a custom Oracle to Microsoft SQL Server database migration tool, automating schema creation and data transfer.
- Contributed to open-source projects in the .NET ecosystem, focusing on performance optimization and cross-platform compatibility.
- Mentored junior developers, leading workshops on best practices in C# and JavaScript development.
- Recognized as a top 5% contributor on Stack Overflow for .NET-related answers, demonstrating deep expertise and commitment to the developer community.