

Adam Plocher

Senior Full-Stack Software Engineer

Contact

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 www.adamplocher.com

About

Senior/Lead Software Engineer with 20+ years in full-stack development, expert in Microsoft technologies (ASP.NET, WPF, SQL Server), JavaScript/TypeScript, and Angular. Skilled in backend development and leading teams to deliver high quality software solutions. Works closely with Product Owners to streamline backlogs and achieve business goals, demonstrating a strong leadership and a results-focused approach.

Profiles

 www.linkedin.com/in/aplocher

 stackoverflow.com/users/730566/adam-plocher

 github.com/aplocher

Skills

Languages: C# – TypeScript – JavaScript – HTML – XAML – CSS – SCSS – T-SQL – MySQL – PowerShell – Python – PHP – JSON – XML – Lua

Web: ASP.NET Core – Angular (2 - 13) – WebAPI – MVC – RESTful Web Services – SOAP – JQuery – Bootstrap

Desktop: WPF – Windows Forms (WinForms) – Avalonia – WiX Toolset (Setup Projects) – Windows Services

Database: Microsoft SQL – SSRS – SSIS – MySQL – MariaDB – Sybase ASE 12.5

Frameworks / Libraries / APIs: .NET 6 – .NET Core 3.1 – .NET Framework – Entity Framework – Azure Service Fabric – AutoFac – Microsoft Graph – NativeScript – Moq – AutoMapper – MSTest – NUnit – MediatR

Tools (IDEs, etc.): Microsoft Visual Studio – SQL Server Management Studio (SSMS) – VS Code – vim – Postman – Azure Data Studio – Android Studio – WebStorm – SQL Profiler – Fiddler – Beyond Compare

Version Control / CI / CD / Project Tracking: Git – Azure DevOps – Azure Pipelines – TFS (Git and TFVC) – Jira – Confluence – TeamCity – Octopus – Subversion – SourceGear Vault – CruiseControl.NET

CLI: git – npm – nvm – dotnet – docker – docker-compose – ng – tns – wsl – bash – pwsh – cmd – webpack – bower – pip

Operating Systems: Windows 11 Pro (and earlier) – Windows Server 2019 (and earlier) – Linux (Ubuntu, Debian, Slackware, WSL)

Work

Alogent

 Apr 2021 - Present

Senior Software Engineer

www.alogent.com

Lead of a development squad, responsible for successfully delivering key features for one of Alogent's core products. Spearheads cross-functional collaboration to launch enhancements, significantly boosting performance and user experience. Demonstrates strong leadership in guiding the team towards strategic project objectives.

Highlights

- Lead a squad of developers and QA/QE professionals.
- Work closely with Product Owners to refine our teams backlog.
- Run daily stand-up and refinement sessions with my squad.
- Develop key features of our application using .NET 6 and Angular 13+.
- Participate in (Agile) Scrum ceremonies and perform 2-week sprints.
- Use Jira to manage stories and bugs for my team.
- Manage certain aspects of CI/CD for my team using TeamCity and Octopus Deploy.
- Implemented multiple vendor integrations using SSOs and third-party APIs.
- Utilize TDD, DI/IoC, and CQRS (with MediatR) patterns to produce clean, unit-tested code.

- Heavy focus on meaningful unit tests with high code coverage.
- Work on mobile feature development for Android and iOS using NativeScript and Angular.

Varis LLC

Sep 2019 - Apr 2021

Senior Software Developer

www.varis1.com

Led the development of full-stack software solutions at Varis, enhancing the processing of high-volume electronic documents with technologies like .NET and Azure Service Fabric. This rearchitecture allowed for significant improvements in document workflow efficiency and data integrity.

Highlights

- Developed a suite of microservices using C#, Azure Service Fabric, and Docker, designed to convert, OCR, and process thousands of inbound documents daily, ensuring efficient and reliable document handling.
- Engineered a .NET 5 WPF-based monitoring dashboard, offering real-time status updates and historical analytics of document processing services, enhancing operational transparency and decision-making.
- Created a WPF-based PDF/TIFF annotation editor, leveraging MVVM and dependency injection with AutoFac for modular design and improved maintainability.
- Led the integration of a comprehensive logging and monitoring stack using docker-compose, including GrayLog, Prometheus, AlertManager, and Grafana.

BitCollectors

Sep 2011 - Aug 2019

Software Consultant

www.bitcollectors.com

Co-founded BitCollectors in 2011, leveraging our combined software industry expertise to deliver custom software solutions and maintenance services to diverse clients. Our collaborative efforts have successfully driven the implementation and enhancement of numerous projects, consistently meeting and exceeding client expectations.

Highlights

- Developed and architected a comprehensive inventory management system for a client, utilizing SQL Server, ASP.NET Core, and Onion architecture principles. Led both backend and frontend (Angular v6) development efforts, enhancing client, shipment, and fulfillment tracking.
- Designed and implemented various proof-of-concepts for LifeMed ID's CEO and CIO, integrating biometric hardware SDKs into a WPF interface and developing an Android application for healthcare patient identification. Automated UI and input processes for efficient patient search within legacy EMR systems.
- Collaborated with Maranatha: Volunteers International's product owner to create a project management system for overseeing hundreds of annual construction projects, leveraging Angular, Microsoft SQL Server, and ASP.NET Web API.

- Administered hosted environments on Microsoft Azure and AWS, ensuring optimal performance and security.

LifeMed ID

Sep 2008 - May 2015

Lead Software Engineer

www.lifemedid.com

Directed the design and development of LifeMed ID's core product, enhancing healthcare provider registrations. This innovative 'bolt-on' service integrates seamlessly with existing EMR systems, enabling providers to issue and register identity tokens (including smart cards, magstripe cards, and biometrics) for patients. The solution streamlines patient visits and ensures accurate identification, significantly improving the patient registration process.

Highlights

- Developed and evolved LifeMed ID's core product, leading its transition from .NET 4.0/Windows Forms to a WPF, MVVM, and Web API architecture.
- Led and mentored the development team.
- Engineered a Windows Service for patient ID token issuance (smart cards, magnetic stripe cards, QR-code wristbands) with a WinForms UI for service management.
- Implemented an efficient auto-update system for automated front-end deployments to hundreds of users.
- Created a WinForms-based card layout design utility for visually designing the card layout (such as name and photo locations).
- Developed a patient portal using ASP.NET MVC, Bootstrap, and JQuery for a responsive user experience.
- Created a C# input and UI automation library and an internal IDE for script development and debugging, using AvalonEdit and WPF with MVVM.
- Built a proof-of-concept application for Verifone MX POS devices to integrate patient card reading into healthcare systems.

SN Servicing Corporation

Mar 2007 - Jul 2008

Software Engineer

www.snsc.com

Highlights

- Created and maintained several modules for their internal asset management application. Modules utilized .NET, C#, and CSLA.NET remoting framework.
- Maintained a BPO (Broker Price Opinion) web portal with ASP.NET

Sacramento Sheriff's Department

Aug 2006 - Mar 2007

Web Developer

www.sacsheriff.com

Highlights

- Built and maintained several internal applications used by deputies in the field.
- Newer development was done with ASP.NET and C#, while older development utilized ColdFusion.

Axiom Analytix

Jul 2005 - Aug 2006

Software Engineer

www.axiomanalytix.com

Highlights

- Worked on a VB.NET Windows Forms application for managing School Accountability Report Cards (SARC).

e.Republic, Inc

Dec 1999 - Oct 2004

Web Developer

www.erepublic.com

Highlights

- Created and managed several internal applications using PHP and Sybase ASE (T-SQL)
- Worked on migrating from Sybase to Microsoft SQL Server 2000
- Began development on a new internal CMS application which utilized .NET Framework and ASP.NET 1.1.