

John Tyson Trayer

johntrayer@gmail.com 303-880-5469 www.linkedin.com/in/johntrayer

SUMMARY

Senior software developer, systems architect, and technical project manager with extensive experience designing, modernizing, and delivering mission-critical applications across government, financial services, health care, telecommunications, and commercial environments. Combines hands-on .NET and web development expertise with systems architecture, cross-functional leadership, and full-lifecycle delivery. Leads cross-functional teams, translates complex requirements into practical system designs, and solves difficult delivery problems across custom software initiatives.

Experienced in program and project management, systems architecture, software design, and process automation from concept through implementation. Platform experience spans handheld and microcomputer-based proprietary operating systems through large-scale, globally distributed solutions running across multiple virtual environments.

CORE COMPETENCIES: .NET and C# development • Systems architecture • Web application modernization • API and database integration • Technical project leadership • Agile delivery • Azure and SQL Server

PROJECTS

GOLDILOKs® or Genomic and Ontogeny-Linked Dose Individualization and cLinical Optimization for KidS. - Children's Mercy Hospital - Kansas City, Missouri - March 2015

- Built the core calculation engine from a proof of concept for GOLDILOKs®, an innovative drug-dose individualization and clinical optimization application.

The Colorado Integrated Criminal Justice Information System (CICJIS) - September 1997

- Served as principal developer for the Colorado District Attorneys' Council, integrating its case-tracking system with the statewide Colorado Integrated Criminal Justice Information System and helping Colorado become the first U.S. state to complete a fully integrated criminal justice information system.

Computer Aided Dispatch - Industrial Computer Systems - YRC Freight - April 1991

- Helped develop the first U.S. computer-aided dispatch system for the less-than-truckload freight industry, using metropolitan radio data communications and in-vehicle computers.

EXPERIENCE

Software Developer

State of Ohio DRC - UNICON International, Inc. – October 2023 – present - Columbus, OH

- Research, design, and develop new features, enhancements, and fixes for the Education application, which supports education and vocational training for incarcerated people in the Ohio Department of Rehabilitation and Correction and expands their employment opportunities after release.
- Helped develop new "Religious and Recreation" sub-system to enable enrollment and participation in various sporting and religious activities for Incarcerated Persons within the Ohio DRC.
- Developed new "ViaPath" time entry application for Incarcerated Persons to log their attendance in more than 50 available apprenticeship programs for tablet computers or other browser-enabled platform.
- Work with team leadership, developers, and QA testers to facilitate productivity and improved software quality.
- Primary technologies: C#, .NET Core 3 and 8, Web API, Razor Pages, SQL Server, JavaScript, Ajax, jQuery, Azure DevOps, Visual Studio 2022, Git, CSS, Bootstrap, and Swagger.

Software Developer

Econic Network - empr.co – September 2022 – May 2023 - Dallas, TX

- Designed, developed, and enhanced features and functionality across three Econic web applications.
- Implement responsive layout behavior and custom theming for all platforms and viewport sizes.
- Repair functional and performance issues to enhance usability and overall user experience.
- Primary technologies include React v18, Vercel Next.js, Node.js, C#, .Net Core v6, Entity Framework, Web API v1 & 2, Azure SQL Server, GraphQL, JavaScript, Typescript, Azure DevOps, Azure App Services, Git, CSS, Bootstrap, PowerShell, Strapi CMS, Swagger, Postman.

Software Developer

CDK Global - February 2021 - August 2022 - Austin, TX

- Developed new capabilities in the Elead CRM software to support new line of business for Heavy Equipment.
- Defined requirements with Elead CRM business product leadership and customer care to design and develop new features and functionality in the "Elead CRM"™ software.

- Delivered Heavy Equipment enhancements for the Elead CRM platform, supporting the first pilot in November 2021 and rollout to more than 80 dealerships by August 2022.
- Primary technologies include Classic ASP, VB, C#, .Net 4.6, ASPX, IIS, SQL Server, JavaScript, jQuery, Jira, Git, Bitbucket.

Senior System Architect

Bank of America - August 2020 - November 2020 - Plano, TX

- Design and development on ConnectTech, a new internal employee technology support website system.
- Helped build ConnectTech, an internal self-service support platform serving more than 200,000 bank employees with improved access to technical assistance, knowledge resources, and training during the COVID-19 work-from-home transition.
- Technologies include .Net 4.6, C#, MVC, Razor, SQL Server, JavaScript, PowerShell, jQuery, TFS, Jira, Git, Bitbucket.

Senior Software Developer

Falkon Technologies - February 2019 - July 2020 - McKinney, TX

- Develop new and enhance existing features in client systems using MS Azure, TFS, Git, MVC, Blazor, Razor, .Net v4.6 & .Net Core v3.1, MS SQL Server, C# and VB, JavaScript, Telerik, Xamarin, Bootstrap and jQuery.
- Convert and upgrade multiple modules from classic ASP to MVC and ASPX in existing Sports Event Planning application including user to user notification and messaging functionality.
- Converted complex desktop application features to next-generation Web Application for principal client (PDA).
- Developed a GL extract utility for an organization serving community hospitals to analyze and reduce costs.

Senior Technical Project Manager

AT&T - January 2017 - January 2019 - Richardson, TX

- Manage multiple concurrent internal and mission critical project efforts to implement, test, and deploy AT&T's API Services Architecture bringing about new and enhanced functionality to all areas of the AT&T business portfolio (Sales, Service, Billing, HR, Et. Al.).
- Provided technical support for AT&T's primary customer-facing myAT&T application, which handled an average of 84 login transactions per second during normal business hours.
- Supported more than 60 project teams, ranging from small developer-and-tester groups to organizations of more than 200 contributors.

Senior Software Developer

KPMG - May 2016 - September 2016 - Dallas, TX

- Developed enhancements for the latest release of their Business Traveler Software (BT version 4).
- Implemented new features and various upgrades to the BTv4 software including automatic "Portal Notifications" to alert Mobility Managers and Business Travelers of important events.
- Built several detailed assessment and analysis trip management reports using complex SQL queries, MVC front ends and controllers, and integrated the reports with a reporting tool (EXAGO).

Senior Software Developer

MakeMusic.com - October 2015 - March 2016 - Boulder, CO

- Developed enhancements, changes, and repairs to various aspects of the MakeMusic GradeBook software suite including an automated student roster import, online subscription renewal with account payment posting.
- Configure, build, and test Web Deploy automation to Internet Information Server (IIS) for enterprise websites.

Senior Software Developer

Children's Mercy Kansas City - March 2015 - September 2015 - Kansas City, MO

- Developed a C# "calculation engine" for an innovative drug re-dosing software tool from MATLAB and C++ proof-of-concept used to prepare patients undergoing a bone-marrow transplant.
- The project involved adapting the original proof-of-concept pharmacokinetics algorithms developed by the Pharmacokinetic and Pharmacodynamic Core Laboratory, into a C#/.Net Web application consisting of a (1) calculation engine and a (2) GUI to enable safe and effective drug dosing regimens.

Senior Software Developer

2TurnItOn.com - October 2014 - January 2015 - McKinney, TX

- VB .NET Web Application developer hired to provide enhancements to existing Energy Quoting Software system in preparation for resale to APG&E (client: www.apge.com).
- Successfully developed credit decision interfaces to 1-"Internal", 2-Dunn & Bradstreet, and 3-Experian credit agencies, for "auto-approval" or "hold for review" functionality for commercial energy contract proposals for energy brokers and their prospective customers.
- Developed, converted (Classic ASP to ASPX), and repaired several core modules in the "Energy Quote" system from classic ASP to Microsoft .Net.

Senior Technical Project Manager

AT&T - April 2011 - April 2014 - Richardson, TX

- Managed and assisted with multiple concurrent internal and mission-critical project efforts to implement, test, and deploy AT&T's Common Services Architecture bringing about new and enhanced functionality to all areas of the AT&T business portfolio (Sales, Service, and Billing).
- Supported the successful deployment of over 75 internal small to very large project initiatives during 3 years as part of the Software Development and Architecture Engineering team.
- Supported the full delivery lifecycle from requirements analysis through deployment, including environment and infrastructure provisioning, project and product leadership meetings, status reporting, issue resolution, major-release analysis, and 20 to more than 50 daily support requests.

Technology Consultant

IUSAT.COM — Independent Universal Support Auxiliary Technologies — April 2002–Present — Aurora, CO

- Owner and operator of an IT consulting company with a unique business model helping small businesses and residences realize enhanced productivity from new technologies.
- **Source Code Reviewer and System Test Specialist**
SLI Global Solutions - April 2007 - October 2008 - Denver, CO
- **Senior Systems Engineer**
Systems Engineering Services Corp. - September 1998 - April 2002 - Greenwood Village, Colorado
- **Software Developer**
Computer Associates - September 1997 - August 1998 - Greenwood Village, Colorado
- **Manager of Technical and Customer Support**
Industrial Computer Systems - August 1990 - September 1997 - Evergreen, CO
- **Loan Origination System Consultant and Software Developer**
Formation Technologies, Inc. - June 1985 - January 1991 - Denver, CO
- **Vice President, Manager of Loan Systems**
Bank Western - April 1983 - January 1990 - Denver, CO
- **Systems Development Manager**
World Savings and Loan - August 1981 - September 1982 - Denver, CO
- **Systems and Application Programmer**
Columbia Savings and Loan Association - July 1980 - August 1981 - Denver Technological Center, Colorado
- **Senior Computer Operator**
Mid-Continent Computer Services August 1974 - July 1980 - Denver Technological Center, Colorado

EDUCATION

Bachelor of Science in Computer Science (BS/CS)

Minor in Music – University of Denver – Denver, Colorado - 1979

CERTIFICATIONS

Microcomputer Technology

McGraw-Hill Continuing Education – National Radio Institute – Washington DC - 1979

SKILLS

Languages and frameworks: C#, C++, C, Java, Visual Basic, ASP.NET, .NET Framework, .NET Core, MVC, Razor, Blazor, React, Next.js, Node.js, TypeScript, JavaScript, HTML5, CSS3, Bootstrap, jQuery, Entity Framework, LINQ, WCF, WPF, Xamarin, and Telerik. **Cloud, APIs, and tools:** Azure DevOps, Azure App Services, Visual Studio, Git, TFS, Bitbucket, Jira, Web API, REST, microservices, SOA, GraphQL, Swagger, Postman, PowerShell, IIS, Apache, Redis, JSON, XML, SOAP, and XSLT. **Data platforms:** SQL Server, Azure SQL, Oracle, PostgreSQL, MySQL, DB2, Informix, Sybase, IMS, VSAM, and dBase. **Delivery and quality:** Agile, Scrum, SDLC, requirements analysis, data modeling, verification and validation, accessibility testing, automated testing, performance and load testing, source-code review, security inspection, defect management, build and configuration management, NUnit, xUnit.net, Ninject, and Moq.

Additional legacy platforms and languages: COBOL II, PL/I, CICS, JCL, TSO/ISPF, JES2, RPG, z/OS, OS/390, MVS, DEC, Unisys, HP-UX, HP MPE, and IBM AS/400.