

DAVID RECTOR

Castle Rock, Colorado

Phone: 859-396-5280 | Email: davidarector@gmail.com

LinkedIn: [linkedin.com/in/davidrector](https://www.linkedin.com/in/davidrector) | Portfolio: codeinspace.io

Professional Summary

Software Architect and Technical Leader with 14+ years architecting enterprise-scale .NET solutions in Azure cloud environments. Expert in microservices architecture, CI/CD automation, and leading cross-functional engineering teams. Proven track record delivering \$1.9M+ revenue projects with measurable performance improvements, system scalability, and high availability.

Key Achievements

Led \$1.9M project portfolio (2023) | 4x Microsoft Certified Developer | Architected solutions serving 500K+ concurrent users | Reduced system latency 90% (2000ms → 200ms) | Led engineering teams up to 8 developers

Professional Experience

BlueModus | *Web Development Lead / Solutions Architect*

2019–2021, 2023–Present *Denver, CO*

- Architected enterprise CMS solutions for Mainfreight.com, RILA.org, ASBMB.org, and Truiliant.org serving 500K+ concurrent users with 99.9% uptime using Azure App Services, Redis caching, and CDN optimization
- Led technical evaluations and client onboarding for SEO-driven leads, presenting architecture proposals to C-level stakeholders resulting in \$3.2M in multi-year contracts
- Designed microservices architecture with Azure Functions reducing page load times 90% (2s → 200ms); implemented event-driven processing with Service Bus and asynchronous workflows
- Established code review standards, technical documentation, and Architecture Decision Records (ADRs) across 12-person engineering team; mentored 8 junior developers reducing onboarding time by 40%

Caroogo.com | *Team Lead & Technical Architect*

2021–2023 *Louisville, KY*

- Led 5-person backend team architecting online car-buying platform processing 10K+ daily transactions with real-time inventory integration across 15+ third-party APIs (financing, shipping, DMV)
- Designed event-driven microservices architecture using Azure Service Bus, Event Grid, and Functions; implemented OAuth 2.0/JWT authentication supporting 50K+ registered users
- Balanced hands-on development (50%) with Scrum Master responsibilities running daily standups and sprint planning; maintained 85% sprint completion rate and resolved team blockers
- Established CI/CD pipelines with Azure DevOps automating deployments and reducing release time by 60%; implemented Infrastructure as Code using ARM templates

Kindred | *Senior Software Engineer*

2017–2018 *Louisville, KY*

- Architected Azure-based patron management system for 20+ global casino properties handling 1M+ daily transactions with 99.95% availability
- Migrated proof-of-concept to production-grade distributed system with horizontal scaling, implementing CQRS pattern and event sourcing
- Established comprehensive testing strategy achieving 85% code coverage with 1,200+ automated tests; reduced production defects by 70%

Computer Services Inc. | *Team Lead Developer*

2015–2017 *Lexington, KY*

- Led development team managing full SDLC across enterprise projects; established agile practices and code quality standards

Veridocs, Inc. | *Software Developer*

2012–2015 *Lexington, KY*

- Developed casino patron management and identification solutions using C#, SQL Server, and WPF for Fortune 500 clients

Technical Skills

Languages & Frameworks: C#, .NET Core/.NET 6/7/8, ASP.NET MVC, Entity Framework Core, Node.js, TypeScript, JavaScript, SignalR

Cloud & DevOps: Azure (App Services, Functions, SQL Database, Cosmos DB, Service Bus, Event Grid, Redis Cache, Key Vault, Application Insights, Entra/B2C), Azure DevOps, CI/CD Pipelines, ARM/Bicep Templates, Docker

Architecture & Design: Microservices Architecture, RESTful APIs, Event-Driven Architecture, CQRS, SOLID Principles, Design Patterns, Domain-Driven Design, System Design, Scalability, High Availability

Frontend Technologies: Angular 12+, React 18+, Vue.js 3, HTML5, CSS3/SASS/LESS, Responsive Design, Progressive Web Apps

Data & Storage: SQL Server, Azure SQL, Cosmos DB, Redis, Entity Framework, Dapper, Query Optimization, Database Design

Security & Authentication: OAuth 2.0, JWT, Azure AD/Entra ID, Identity Server, Role-Based Access Control (RBAC), OWASP Security

Development Practices: Agile/Scrum, Git, Unit Testing (xUnit, NUnit, MSTest), Integration Testing, Code Review, Technical Documentation, Swagger/OpenAPI

Education

University of Kentucky | *Bachelor of Science in Computer Science*

Graduated May 2012

Certifications

Microsoft Certified Developer – C# | Microsoft Certified Developer – Azure | Kentico Xperience 13 Developer | Xperience by Kentico Developer