

Steve Ruben

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SUMMARY

Dynamic technology leader with 25+ years of hands-on development and architectural expertise, specializing in .NET development, AI agent development, and enterprise-scale solutions. Proven track record as CTO across multiple companies, successfully leading Fortune 500 partnerships, founding businesses, and launching products from 0-1. Expert in transforming complex challenges into scalable, secure software platforms with deep expertise in C#, .NET, Azure Cloud, modern data architecture, and cutting-edge AI/ML technologies including intelligent agents and natural language processing. Holder of granted US patent in blockchain technology with extensive experience in digital transformation and team leadership.

CORE COMPETENCIES

Technical Leadership: Enterprise Architecture • Data Architecture • Software Development • AI Agent Development • .NET Ecosystem • Full Stack JavaScript (Node.js, React, Next.js) • Python Development

Cloud & Infrastructure: Azure Cloud • Azure Fabric • Data Warehouse Architecture • Microservices • DevOps • Scalable Systems • Azure Data Bricks

Innovation: Blockchain Technology • Patent Development • AI/ML Implementation • Digital Transformation

Business Leadership: CTO Experience • Startup Founding • Product Development (0-1) • Fortune 500 Partnerships

PROFESSIONAL EXPERIENCE

GoFormz | Software Architect - *April 2025 - Present | California, United States*

- **AI Agent Development:** Architected and launched GoPilot, a robust AI agent that intelligently assists users in building forms, dramatically improving user experience and form creation efficiency
- **Domain Language Functions:** Developed sophisticated domain-specific language capabilities for GoFormz automations, enabling users to create complex workflows using natural language processing
- **Customer Support AI:** Implemented AI-powered customer support functions that provide intelligent assistance and automated problem resolution

- **Data Warehouse Architecture:** Designed and implemented a robust data warehouse solution using Azure Fabric and Cosmos DB to accommodate dynamic data services and advanced analytics capabilities
- **Analytics Platform:** Built scalable analytics infrastructure supporting real-time insights and business intelligence across the platform
- **AI Integration Leadership:** Collaborate with cross-functional engineering and product teams to implement AI-powered features revolutionizing customer experience platforms
- **Technical Innovation:** Focus on advanced AI integration techniques, semantic understanding, and intelligent automation to enhance platform capabilities

P3 Technologies | Chief Technology Officer - August 2021 - April 2025 | 3 years 9 months

- **Enterprise Architecture:** Designed comprehensive pet insurance comparison platform using C#, .NET Core, and Azure with AI-driven analytics for personalized recommendations
- **Automated Claims Processing:** Built fully automated electronic claims system with proprietary rules engine and ML-optimized adjudication and fraud detection
- **Headless E-commerce Platform:** Developed scalable e-commerce solution for veterinary pharmacies featuring real-time inventory, AI-based recommendations, and HIPAA-compliant integrations
- **AI/ML Implementation:** Deployed ML algorithms for demand forecasting and automated inventory management, optimizing supply chain operations
- **Team Leadership:** Managed 5+ developers and offshore teams, emphasizing agile methodologies and high-quality code practices
- **Cloud Modernization:** Led legacy system migration to Azure Cloud with focus on performance, scalability, and future-proof architecture

Green Data Technology | Co-Founder & CTO - January 2018 - October 2021 | 3 years 10 months

- **Patent-Pending Innovation:** Designed smart contract framework in C# and .NET Core for secure blockchain data anchoring with comprehensive supply chain traceability
- **AI-Driven Business Intelligence:** Built ML models for demand forecasting and quality control using environmental/operational data
- **Enterprise Integration:** Developed integrated POS system with AI-enhanced marketing tools and regulatory compliance integrations
- **Blockchain Architecture:** Managed custom Ethereum blockchain instance on Azure for secure data integrity

- **Business Development:** Led marketing and sales teams, achieving significant operational milestones and company growth

x.labs | Chief Solutions Architect - July 2020 - May 2021 | 11 months

- **Health Screening Innovation:** Architected PreCheck mobile app using C#, .NET Core with Bluetooth integration and ML health risk analysis
- **Multitenant Platform:** Designed Ready administration portal using Angular 9, .NET Core, and Azure with AI-powered policy management
- **Thermal Imaging AI:** Developed Feevr thermal imaging APIs combining facial recognition with ML for elevated temperature detection
- **Big Data Analytics:** Integrated predictive health/security insights across multiple locations with real-time responsiveness
- **Team Management:** Led onshore/offshore teams with focus on innovation and secure microservices architecture

Validas | Chief Technology Officer - February 2014 - August 2019 | 5 years 7 months

- **Fortune 500 Partnership:** Directed technology development for Sprint's "Cut Your Bill In Half" program, attracting 1M+ new customers using C#, .NET, and Node.js architecture
- **Enterprise Data Processing:** Built OCR and data recognition solutions with high-availability APIs processing billions of records
- **Search & Analytics:** Designed comprehensive Elasticsearch solutions with Kibana-based reporting for deep data analysis
- **NoSQL Architecture:** Developed distributed NoSQL database handling massive telecom datasets with optimal performance
- **Strategic Leadership:** Managed multiple development teams, established coding standards, and drove strategic technology partnerships

F&I Administration Solutions, LLC | Senior Architect - June 2013 - February 2014 | 9 months

- **Mobile Architecture:** Defined API and UI standards for mobile/analytic applications with RESTful service architecture
- **Customer Portals:** Built ad hoc reporting portal and mobile website v2 with real-time analytics capabilities

Validas | Senior Software Architect - August 2010 - May 2013 | 2 years 10 months

- **Massive Scale Architecture:** Designed proprietary NoSQL database managing 10+ billion telecom records with hybrid NoSQL/SQL solutions

- **Recommendation Engine:** Built sophisticated telecom billing analysis engine for consumer and enterprise cost optimization
- **Cross-Platform Solutions:** Developed ElasticSearch and N1QL solutions with Kibana analytics for high-speed data retrieval
- **Retail Integration:** Created Best Buy wireless portal with real-time billing analysis and distributed architecture

Earlier Experience - 1999 - 2010

Essence Healthcare | Sr Developer/Team Lead (2009-2010)

- Healthcare portal development with EMR integration and HIPAA compliance

Genzyme Genetics | Sr Developer (2008-2009)

- Automated genetic testing workflows with WPF interfaces and laboratory equipment integration

Professional Life & Casualty Company | Sr Developer (1999-2008)

- Legacy modernization and digital transformation initiatives
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PATENTS

US Patent 12,306,970 B2 - Authenticating data for storage using a data storage system and distributed electronic ledger system

TECHNICAL EXPERTISE

Languages & Frameworks: C# • .NET Core • .NET Framework • ASP.NET • ASP.NET MVC • Entity Framework

Cloud & DevOps: Microsoft Azure • Azure Fabric • Azure Functions • Azure DevOps • Microservices Architecture

AI & Machine Learning: AI Agent Development • GPT Integration • Semantic Kernel • ML.NET • Natural Language Processing • Domain-Specific Languages • Predictive Analytics • Customer Support AI • Intelligent Automation

Blockchain: Smart Contracts • Ethereum • Distributed Ledger Technology

Databases: SQL Server • Azure Cosmos DB • NoSQL • DynamoDB • Couchbase • ElasticSearch

Data & Analytics: Data Warehouse Architecture • Azure Fabric • Business Intelligence • Real-time Analytics • ETL Pipelines

Frontend: Angular • React • JavaScript • HTML5 • CSS3 • Silverlight • WPF

Mobile: Xamarin • .NET MAUI • Cross-platform Development

Architecture: SOA • RESTful APIs • Microservices • Event-Driven Architecture • Domain-Driven Design

EDUCATION

DeVry University | Technology Program *(1999-2001)*

Geneva High School | Graduate *(1996-1999)*