

TODD CLARKSTON

Lead Software Architect | Full-Stack .NET & React | Healthcare and Financial Systems
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SUMMARY

Software architect and consultant with 25 years of experience designing and delivering stable, user-friendly enterprise web applications across healthcare, finance, and other industries. 27 years in the Microsoft ecosystem, including 25 in full-stack .NET and C#, and 10 years building front ends with Angular, React, React Native, and Next.js. Most recently architected a greenfield EHR platform with HIPAA, HL7, and FHIR interoperability, leading a team of five. Three years building AI-powered features with OpenAI and multi-model LLM architectures and accelerating delivery with Claude Code.

TECHNICAL SKILLS

Back End: C#, .NET 10 / .NET Core, ASP.NET MVC & Web API, Entity Framework, LINQ, Dapper, RESTful APIs, microservices

Front End: React, React Native, React Native Web, Next.js, Angular (AngularJS–18), TypeScript, NgRx, HTML/CSS, Material, Bootstrap

Cloud & DevOps: Azure (App Services, Functions, Azure SQL, API Management, Entra ID, SSO), AWS (Lambda, API Gateway, CloudFormation, S3, EC2, Cognito, Route 53), Azure DevOps, Git, CI/CD, Docker, AKS

Data & Messaging: SQL Server, PostgreSQL, MySQL, Oracle, Cosmos DB, DynamoDB, RabbitMQ, Azure Service Bus

AI & LLMs: Azure OpenAI / OpenAI API (vision OCR, document classification, summarization), Llama, Anthropic Claude, Claude Code, custom skills, MCP servers, prompt engineering, multi-model workflows

Healthcare & Security: HIPAA, HL7, FHIR (Azure FHIR), SOC 2, custom CIAM, OWASP Top 10

PROFESSIONAL EXPERIENCE

Application Developer III – Lead Architect / Tech Lead

Oct 2025 – Present

CenterLight Healthcare, New York, NY — largest not-for-profit PACE program in the nation

- Architected a large greenfield Electronic Health Record (EHR) platform from the ground up, with functionality comparable to commercial EHRs such as athenahealth.
- Led a team of five as hands-on architect and developer, owning technical direction, code quality, and delivery.
- Designed a CMS-style form builder and a workflow engine with a dynamic step builder, letting staff configure clinical and operational processes without code changes.
- Delivered a complete scheduling module for appointments and care coordination.
- Implemented full Azure SSO and built a custom SOC 2–compliant CIAM (Customer Identity and Access Management) server.
- Ensured HIPAA compliance and built healthcare interoperability with HL7 and the Azure FHIR service.
- Built the cross-platform front end with React Native Web.
- Designed and developed the back end as a .NET 10 Web API in C# with Entity Framework and SQL.
- Built Azure workflows using Azure Functions and App Services, set up Git with full CI/CD pipelines across Dev, UAT, and Production.
- Accelerated development with Claude Code, using advanced prompting, reusable skills, and agentic workflows for code generation, reviews, and tests.

CEO & Lead Architect

2009 – 2025

WireServers LLC, Highlands Ranch, CO — web development firm with a team of four developers

- Led architecture and full-stack delivery for client projects as Lead Architect and Team Lead, mentoring developers from junior to architect level.
- Ran DevOps on Azure DevOps and AWS (Lambda, API Gateway, CloudFormation) with Docker, AKS microservices orchestration, and full CI/CD.
- Integrated OpenAI into multiple apps for document OCR, classification, and summarization, designing multi-model LLM architectures with provider fallback and per-call token usage tracking.
- Built AI developer tooling with Claude Code: custom skills, MCP server integrations, and codified prompts for agentic coding, code review, and test generation.

- Full-stack development across ASP.NET MVC/Core, Angular, React/React Native/Next.js, Knockout, Django, Flask, Xamarin Forms, WPF, and WCF, in C#, Python, TypeScript, PowerShell, and Visual Basic.
- Designed Web APIs, RESTful services, SOA, and microservices, including AWS API Gateway integrations.
- Drove security and risk mitigation, including OWASP Top 10, and provided application support and Xamarin Forms proof of concepts.

Selected projects:

- **bringthebudget.com** – Personal finance app that turns bank, credit card, loan, and medical statements (CSV, OFX, text, or phone photos) into structured accounts, transactions, and debts using Azure OpenAI vision (gpt-4.1-mini) for OCR, classification, and summarization, with an OpenAI-compatible Llama fallback (.NET 10 API, React Native Web).
- **eLivelihood** – Oversaw all new development and maintenance for a dashboard that helps families manage and organize care; DevOps, full-stack, and tech lead (Angular, Firebase, Ionic).
- **sentandsecure.com** – Oversaw new development and maintenance for an end-to-end encrypted desktop application; full-stack and tech lead (Xamarin, WPF, MAUI, XAML, Entity Framework, SQL).
- **bionatal.co** – Built an integration API connecting the Ecwid shopping cart and Klaviyo marketing campaigns, using Azure Service Bus to send emails and messages based on cart contents and where customers left the sales funnel.
- **BurstIQ** – Turned database output into a data-heavy React app with nivo.rocks charts, building custom components, hooks, themes, and state management.
- **fitnessoneapp.com** – Led front-end development, UX responsiveness, API integration, and NgRx state management (Angular 12, TypeScript, SCSS, Material Design).
- **swoovy.com** – Full-stack engineer and project manager for development and deployment (Python, Django, React Native, PostgreSQL).

Sr. Software Developer

2018 – 2019

WellDyneRX, Centennial, CO — national Pharmacy Benefit Manager processing 15 million mail-order prescriptions a year

- Developed HIPAA-compliant prescription processing systems handling protected health information (PHI), with HL7 messaging for pharmacy and healthcare data exchange.
- Built RabbitMQ pub/sub messaging for long-running prescription verification, fulfillment, and shipping processes that previously took days.
- Full-stack development with ASP.NET MVC, Web API (RESTful), C#, Enterprise Library, Knockout.js, jQuery, and Bootstrap 4.
- Managed DevOps with Azure DevOps CI builds and PowerShell deployment scripts, and provided application support across all of the organization's applications.
- Contributed to architecture and cross-team collaboration, database work (SQL, LINQ, Entity Framework), and mentoring junior and mid-level developers.

Senior Software Engineer / Lead / Architect

2014 – 2018

Federal Reserve Bank of Kansas City, Denver, CO — 11,000 employees across the district

- Team Lead of four developers, one SQA, and one DBA; managed development work and performance, ran meetings and peer reviews, and coordinated with PMs, BAs, and DevOps.
- As architect, set security direction, coordinated security, quality, and usability approvals across districts, created coding standards, and evaluated external vendor software.
- Full-stack development with ASP.NET MVC, C# 5.0, Angular 2, Web API 2 (RESTful), Enterprise Library, Entity Framework, TypeScript, Knockout.js, jQuery, and Bootstrap; designed tables and stored procedures in SQL Server 2012.

CERTIFICATIONS

Scrum Master Certified – Scrum Alliance • Microsoft Certified Technology Specialist: .NET Framework 4, Web Applications • Microsoft Certified Professional • Meta (Coursera): React Native, React Basics, Version Control