

ANDY SCHENCK

SOFTWARE PRODUCT DEVELOPER | TECHNICAL PRODUCT LEADER | FULL-STACK .NET DEVELOPER

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PROFESSIONAL SUMMARY

Software product developer and technical leader with extensive experience designing, building, and delivering production software from concept through deployment. Combines hands-on full-stack development with product strategy, application architecture, database design, API development, business-rule implementation, UX/UI design, third-party integrations, automation, and technical leadership. Recent work includes independently developing and operating multiple web-based software products using modern .NET, SQL Server, APIs, background processing, communications integrations, and AI-assisted development. Directs ChatGPT and Claude Code across architecture, implementation, debugging, refactoring, and feature development.

CORE TECHNOLOGIES

Development: C#, .NET 8, ASP.NET Core, MVC, Web API, REST APIs, Authentication/Authorization, React, TypeScript, JavaScript, Razor Pages, LINQ, HTML/CSS

Data & Architecture: SQL Server, Entity Framework Core, Relational Database Design, Stored Procedures, API Architecture, JSON / REST Integration Patterns, Background Processing

Platforms & Tools: Visual Studio, Git, GitLab, Swagger/OpenAPI, Hangfire, CI/CD, Azure, Azure DevOps

AI-Assisted Development: ChatGPT, Claude Code, Generative AI/LLMs, Prompt Engineering, Architecture & Design Iteration, Debugging, Code Generation, Refactoring

Integrations: Twilio SMS/MMS, MailKit/SMTP, Microsoft Graph, Stripe, third-party REST APIs

Product Development: SaaS/Product Design, Responsive UX, Business Rules, Analytics, SEO, Product Monetization

PROFESSIONAL EXPERIENCE

Independent Software Product Developer | Founder / Full-Stack Developer

2025 - Present

Design, develop, deploy, and operate independent software products using modern AI-assisted development workflows spanning SaaS applications, consumer web utilities, sports-pool platforms, responsive user experiences, administrative systems, communications, data integrations, and automated business processes.

The Pool League Manager - SaaS League Management Platform

- Designed and developed a comprehensive league-management application supporting league administration, seasons, teams, individual competition, players, scheduling, match structures, playoffs, scoring, onboarding, rules, communications, and administrative workflows.
- Architected SQL Server data structures and application workflows supporting configurable competition formats, team assignments, season schedules, skipped dates, playoff structures, player participation, and historical league data.
- Directed AI-assisted development with Claude Code and ChatGPT for implementation, debugging, refactoring, and UX refinement.
- Built responsive desktop and mobile experiences using React/TypeScript with a C#/.NET backend and REST-based application architecture.
- Implemented email and Twilio SMS invitation/communications workflows, consent and opt-out handling, delivery states, and league-level messaging capabilities.
- Designed complex season-creation and competition workflows supporting team and individual formats, configurable match structures, round-robin scheduling, skipped dates, playoff qualification, multi-round playoff formats, and persistent multi-step administrative configuration.

Cartier Suicide Pool - NFL Survivor Pool Platform

- Designed and developed a production ASP.NET Core application supporting hundreds of participant entries across NFL seasons, including authenticated dashboards, weekly selections, historical team-use restrictions, deadlines, elimination logic, pool summaries, schedules, standings, analytics, and administrative tools.
- Architected separate ASP.NET Core MVC and Web API applications backed by SQL Server and a service-oriented application layer.
- Applied ChatGPT and Claude Code to implementation, debugging, automation, UX refinement, and ongoing enhancement.
- Implemented Hangfire background processing for score finalization, participant grading, odds synchronization, weekly reminders, and scheduled pool operations.
- Integrated NFL/schedule and betting-line data plus broadcast email, bounce handling, delivery history, responsive desktop/mobile interfaces, and automated tests.
- Built administrative and operational tooling for participant management, pool configuration, broadcast communications, delivery tracking, weekly game processing, and exception handling across a large seasonal participant base.

Random Prize Wheel - Consumer Web Application / Interactive Utility

- Designed, developed, and launched a full-stack ASP.NET Core 8 web application providing customizable random-selection and prize-wheel functionality for consumer, classroom, entertainment, and business use cases.
- Architected a SQL Server/Entity Framework Core data model supporting user accounts, saved wheels, configurable wheel panels, reusable multi-wheel layouts, user preferences, spin history, and usage analytics.
- Used ChatGPT and Claude Code for implementation, debugging, refactoring, and UX iteration.
- Developed authenticated REST-style APIs for account management, wheel persistence, layout management, user settings, analytics, and spin tracking.

- Built a custom browser-based 3D prize-wheel engine with weighted random selection, variable panel sizing, adaptive animation, configurable spin behavior, image/text panels, winner removal, shuffle options, sound effects, confetti, and responsive mobile behavior.
- Implemented multi-wheel layouts allowing users to save, position, scale, and operate multiple independent wheels within a single experience.
- Own end-to-end product strategy, UX, development, deployment, SEO/content strategy, analytics, monetization experimentation, and ongoing product enhancement.

Memorial Healthcare System | Senior Software and Business Intelligence Developer

Oct 2024 - Feb 2025

Digital Innovation Office | IT Business Applications and Operations

- Supported software and data initiatives associated with Population Health and Value Based Care.
- Worked with C#, SQL Server, Microsoft Graph, Microsoft Forms concepts, OAuth authentication, REST integration patterns, and JSON-based data processing.
- Developed and evaluated application/database approaches for collecting, integrating, and storing survey-related information.

ParcelMe Corporation | Lead Software Designer / Developer

Oct 2021 - Oct 2024

- Designed and developed a two-screen kiosk application enabling delivery personnel and package recipients to interact with a motion-controlled robotic package storage and retrieval system using C#, WinForms, TCP/IP, and motion-control APIs.
- Designed and maintained the SQL Server database supporting package drop-off and pickup transactions, customers, couriers, storage-bin status, and system activity.
- Designed and developed a web application enabling property managers to administer residents, review delivery and pickup activity, monitor storage-bin status, and access system statistics.
- Worked across application design, database architecture, hardware/software integration, troubleshooting, and production support in a startup environment.

Mahi Gaming | Senior Backend Services Developer

Sep 2019 - Oct 2021

- Developed and maintained complex C# algorithms within a proprietary game-services API engine powering online slot-machine products.
- Built configuration definitions governing game features, rules, reels, layouts, persistence, and pay tables using JSON-based configuration architecture.
- Maintained and enhanced a virtual game-services simulator used to validate functionality and performance of API components.
- Developed game-history presentation templates and supporting SQL/XSLT functionality to meet regulated PlayCheck requirements.
- Used GitLab for source control, continuous integration, deployment, development, and QA workflows, along with Azure and Azure DevOps.
- Collaborated closely with game designers, mathematicians, QA engineers, and client-development teams.

IPIC Theaters | Senior Software Engineer

Nov 2015 - May 2019

- Maintained and enhanced enterprise APIs connecting IPIC web and mobile applications with the Vista point-of-sale platform and other third-party systems.
- Led conversion of the primary API codebase from VB.NET to C#, restructuring services and endpoints for improved maintainability and documenting APIs with Swagger.
- Implemented web services and CI/CD pipelines supporting development and release workflows with Azure and Azure DevOps.
- Developed two-factor authentication using Twilio SMS to reduce fraudulent online ticket purchases.
- Integrated Kount fraud-detection services and Stripe payment-processing functionality into online purchasing workflows.
- Designed and developed gift-card shopping-cart APIs supporting purchasing, promotional bonus cards, membership rules, and transaction processing.

TouchSuite | Development Manager / Senior Software Engineer

Apr 2015 - Oct 2015

- Managed a seven-person development, business-analysis, and QA team responsible for project delivery, enhancements, and production issue resolution.
- Maintained and enhanced the company's internal CRM platform using C#, SQL Server, and third-party payment/data APIs.

Brand Tango Technology | Senior Software Engineer / Senior Technical Project Manager

Jul 2012 - Apr 2015

- Contributed across product design and development for the Everyware small-business communications platform, including public web applications, CRM functionality, mobile services, database design, and Twilio SMS/MMS integration.
- Served as lead developer and technical manager for multiple client implementations involving custom development, deployments, integrations, data migration, and application configuration.
- Worked directly with client technology teams to define requirements and deliver customized web, CRM, reservation, and data-integration solutions.

EDUCATION

Bachelor of Arts, Communication Sciences - University of Connecticut, Storrs, CT