

Leo Yong

Full-Stack Software Engineer

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SUMMARY

Full-stack software engineer with nearly 6 years building and shipping production web apps and platforms end to end, from SQL Server schemas up through C# and .NET APIs to Angular and React front ends. Strong track record modernizing legacy systems, wiring up third-party integrations, and standing up fully automated CI/CD. Daily user and builder of AI and agentic developer tooling, including a custom Claude Code setup with its own configuration, knowledge base, skills, subagents, and hooks. ABET-accredited Computer Science degree, Magna Cum Laude, Microsoft Certified Azure Fundamentals.

TECHNICAL SKILLS

Languages: C#, TypeScript, JavaScript, Python, Java, T-SQL, PowerShell, HTML, CSS, XAML, VB.NET

Frontend: Angular, React, Vite, Nx, Module Federation, micro-frontends, WPF, jQuery, Bootstrap

Backend: .NET 8/9/10, .NET Core, ASP.NET Core Web APIs, Entity Framework Core, LINQ, Quartz.NET, SignalR

Databases: SQL Server, T-SQL, SSMS, SSIS, DACPAC, Sybase, Elasticsearch, Kibana

Cloud and DevOps: Azure, Azure DevOps CI/CD, Git, IIS, Windows Services, PowerShell, Visual Studio, VS Code

APIs and Auth: Kong API Gateway, REST, JWT, ACL, CORS, Active Directory, RBAC, OAuth

Architecture: CQRS, REST, SignalR, microservices, module federation

AI and Agentic Tooling: Anthropic Claude and Claude Code, OpenAI ChatGPT and Codex, multi-agent orchestration, custom subagents and lifecycle hooks, MCP server development (JSON-RPC), prompt and context engineering

Practices: Agile, Scrum, TDD, SOLID, OOP, Clean Code, unit testing (xUnit)

EXPERIENCE

Applications Developer, The Arnold Companies (TAC)

Dallas, TX | Apr 2024 - Present

- Delivered 7+ production .NET (8/9/10) Web APIs and a Quartz.NET workflow platform with realtime SignalR, all behind fully automated Azure DevOps CI/CD and centralized Kong API Gateway auth (JWT, ACL, CORS) over Active Directory validated, RBAC-aware sessions.
- Built and maintain a React, Vite, and TypeScript sales app used weekly by 20+ account managers to recap deals and plan the week ahead so they spend more time closing; integrated Pipedrive's API to sync deal data into our SQL Server database behind the internal .NET Web APIs the app reads from.
- Rolled out an Angular Nx micro-frontend platform with Module Federation and a realtime scheduler dashboard.
- Migrated a 24/7 VB.NET WinForms data-automation scheduler off Sybase to SQL Server, rewriting 8 jobs that sync external ERP data into internal databases and refactoring 10 stored procedures with new table-valued parameters and bulk logic that cut the main sync from over two hours to under five minutes.
- Hardened that scheduler's UI and utilities for reliable, crash-free runs of a system that moves data company-wide for 200+ employees across reporting, pricing, invoicing, EFT payments, BOL imports, third-party feeds, and automated alerts.
- Use AI tooling daily in development, both chat-assisted coding and direct agentic workflows with Codex and Claude Code, to ship features faster.

Software Engineer, QuikTrip

Tulsa, OK (Hybrid) | Nov 2022 - Jan 2024

- Built and maintained .NET web, desktop (WPF/XAML), and console apps deployed across 1000+ stores and corporate with a 100% rollout rate on Azure DevOps and Git CI/CD, working Agile sprints with OOP, TDD, SOLID, and Clean Code practices.
- Covered biweekly IT support rotations in the Cherwell ticketing system, resolving cash store audits, data inaccuracies, and safe connectivity issues under tight SLAs.

Azure Support Engineer III (PaaS Developer Pod), Microsoft

Irving, TX (Remote) | Sep 2021 - Nov 2022

- Provided end-to-end technical support for Azure Service Bus and Azure Messaging to clients across North America, APAC, and EMEA as a Microsoft Certified Azure Fundamentals engineer.
- Diagnosed complex issues using log analysis (Kusto), network captures (Wireshark, Fiddler), and code debugging in C#, Java, and Python across AMQP, Kafka, and HTTP.
- Held a 99.9% SLA in the Azure Service Bus domain, de-escalated tense client situations, and improved ticket scoping through targeted questioning.

- Presented tickets in daily triage and worked with Technical Advisors and Principal Technical Advisors to refine resolution strategies.

Full-Stack .NET Developer, Center for Advanced Public Safety (University of Alabama)

Tuscaloosa, AL (Remote) | Jun 2021 - Sep 2021

- Worked the full SDLC on .NET transportation projects for the State of Alabama and the federal NMVTIS program in an Agile team, building front-end and back-end features with C#, .NET Core, JavaScript, and SQL Server using xUnit, TeamCity, OctoDeploy, Kibana, and Elasticsearch.

Software Engineer, AIC Title Service / Med Claims Services

Oklahoma City, OK | Jul 2020 - May 2021

- Sole developer of Sapphire Sign and its API, a full-stack Angular and ASP.NET Core app for HIPAA-compliant document generation and e-signatures, used by 100+ clinicians daily and integrated with PICIS and the Oklahoma Department of Health.
- Built on C#, ASP.NET Core, .NET Core Web API, EF Core, TypeScript, JavaScript, jQuery, and SQL Server.
- Rewrote and redesigned Sapphire Connect from the ground up using VB.NET, SQL, JavaScript, and jQuery, improving performance and user experience.

IT Service Desk Specialist (Technical), University of Central Oklahoma

Edmond, OK | Jul 2017 - Aug 2019

- Delivered first-line and on-site IT support to a community of 16,000+ faculty, staff, and students, handling 150+ daily interactions across calls, email, and walk-ups.
- Logged and resolved 20+ tickets a day covering VPN, Banner, networking, email, software installs, hardware procurement, and access requests, tracked in TeamDynamix.

Computer Science Student Assistant (Research), University of Central Oklahoma

Edmond, OK | 2019 - 2020

- Researched IoT and home automation on Raspberry Pi with Alexa, AWS Lambda, and the Alexa Skills Kit to build LeolexaPi, and explored OpenCV facial recognition and a GCP Dialogflow Flutter chatbot.

PROJECTS

UrbanKit Studio, Founder and Developer

urbankitstudio.com | Personal project, 2026 - Present

- Designed, built, and run a free, browser-based suite of five GIS and mailing tools for urban planners and local government, all processed client-side with no uploads or accounts; the flagship buffers an address, pulls parcel owners from county ArcGIS REST layers, and exports mailing lists as CSV or Avery 5160 labels.
- Published @urbankitstudio/atlas, a TypeScript SDK on npm for the county parcel atlas, shipping dual ESM and CJS builds with full type definitions and zero runtime dependencies, organized in a GitHub monorepo.
- Built and host a public MCP server that exposes six parcel and geocoding tools over JSON-RPC, letting Claude, Cursor, or any MCP client query the atlas through a single keyless endpoint.
- Write SEO field guides and reference articles that bring in organic search traffic, tracked and tuned through Google Search Console.

Autonomous Claude Code Engine, Personal Project

Versioned agentic development system, 2025 - Present

- Designed and maintain a versioned, idempotent setup engine that turns Claude Code into a safe autonomous development system on a three-layer architecture: a compact control-plane config, structured multi-file working memory, and an Obsidian cross-project knowledge base.
- Built 13 custom specialized subagents (research, verification, security audit, SEO, deploy guarding) and lifecycle hooks that auto-run pre-push reviews, track provider reliability, and persist memory across sessions.
- Drive parallel multi-agent orchestration through agent teams, worktree-isolated dispatch, and goal-gated self-running loops, with mobile control over a custom Discord bridge under a tiered permission and safety model.

EDUCATION & CERTIFICATIONS

University of Central Oklahoma, Edmond, OK

B.Sc. in Computer Science (ABET-accredited), Magna Cum Laude, 3.8+ GPA | 2016 - 2020

Honors: Computer Science Outstanding Graduate Award, President's Honor Roll, Dean's Honor Roll

Certifications: Microsoft Certified Azure Fundamentals; Vibe Coding, Gold Tier (Lovable); Front-End and Flutter Development (LinkedIn Learning)