

Jon Caudill

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Summary

Security-oriented software engineer with many years of full-stack .NET/C# development and a recent Google Cybersecurity Certification. I've worked as a senior software engineer in the Education, Professional Audio/Video technology, and financial fields, and in multiple startup companies. Most recently I have been working freelance jobs fixing code generated by multiple AI models, troubleshooting code generated by AI LLMs, generating "golden" code examples to assist with RAG training, and writing reports on where their AI model went wrong and the likely reasons why and how to fix it.

Core Competencies

- C# · .NET · Python · Go · TypeScript
- RAG · LLM Training · Prompt Engineering
- NIST Framework · Defensive Programming
- Wireshark · Suricata · tcpdump
- RESTful APIs · Microservices · SQL Server
- Unit Testing · CI/CD · Git · Docker

Recent Professional Experience

For experience more than 10 years ago , please contact me directly, and I will be glad to discuss.

AI Software Engineer, Freelance, Remote, FL (June 2025 - Present)

- Reviewed AI-generated .NET, C#, Python, Go, TypeScript, and JavaScript code for correctness, instruction adherence, and performance
- Benchmarked outputs to identify gaps in logic and style
- Authored exemplar code responses as canonical references
- developed retrieval-augmented generation (RAG) lists for popular codebases to support future AI training.
- Rapidly learned and coded in many codebases and frameworks on a daily basis including but not limited to: Python, Jupyter, Go, Node.js, React, Linux shell, Solid, Ruby, Typescript, React Native

Senior Software Engineer, Jenzabar, Harrisonburg, VA (Oct 2015 - Sept 2024)

- Engineered full-stack solutions for the flagship Jenzabar CX CRM/ERP platform (C#/.NET WebForms, JavaScript, jQuery, Bootstrap, CSS, SQL Server), powering admissions, billing, student-records and course-planning workflows for thousands of college students.
- Enhanced Jenzabar CX financial-aid modules (C#.NET multi-tiered libraries), ensuring ongoing Department of Education compliance for university and college clients and averting potential regulatory exceptions.
- Partnered with product owners, QA, higher-ed clients, and developers to architect and maintain RESTful microservices, boosting system scalability and client engagement.
- Led end-to-end SDLC initiatives, weaving in SecurityJourney defensive-programming practices and agile workflows to accelerate delivery while upholding robust security and accessibility standards.
- Managed annual cybersecurity certification and training programs, translating federal and Texas compliance requirements into actionable coding guidelines that reduced vulnerabilities and ensured smooth audits.

Certifications

- AWS Practitioner Training Badge (Nov 2025)
- Google Cloud Certification: Cloud Developer Professional Certificate (Nov 2025)
- Google Cybersecurity Certification, Google (June 2024)
- Google IT Automation with Python Specialization, Google, Credential ID: P0ILTVC8W6SE

- Machine Learning, Stanford University, Credential ID: RCU38OAKM6MR
- Generative AI for Software Development, DeepLearning.AI, Credential ID: H4G8MD17WVWC
- Microsoft Certified Professional, Microsoft, Credential ID: 1675111

Education

Northern Kentucky University, Mathematics and Computer Science (3rd year, no degree)
Security Ideas - Professionally Evil Defensive and OWASP training.
Boot.Dev backend bootcamp
Security Journey (previously HackEDU) - cybersecurity and defensive programming.

Volunteer Experience

DAV (Disabled American Veterans)

- Volunteered at the VA hospital in Fort Thomas, KY, providing entertainment and social activities for handicapped veterans.
- Assisted in disaster relief efforts during the Falmouth flood.

Languages

English - Fluent, Native level

Causes

Education, Science, and Technology