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# TOMAS VENERE

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*Senior Software Engineer*

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Dawsonville, GA | Portfolio: <https://tomiwebsites.com/resume/>

## Summary

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Motivated and results-oriented Senior Software Engineer with 10+ years of experience building innovative solutions across diverse industries. Proven expertise in full-stack development (.NET, C#, SQL, Docker, Kubernetes, CI/CD Pipelines, React, Terraform), API design and integration, enterprise architecture, and cloud platforms (Azure, AWS). Passionate about mentoring junior developers and fostering a collaborative development environment.

## Skills

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.NET Core • C# • Blazor • Razor Pages • ASP.NET Core • ASP.NET Web Forms • RESTful APIs • GraphQL APIs • API Design • Azure • AWS • Azure Functions • Azure DevOps • Azure Service Bus • RabbitMQ • MassTransit • CI/CD Pipelines • Clean Architecture • SOLID Principles • Microservices • Docker • Kubernetes • Containers • Git • GitHub • GitLab • Octopus Deploy • ArgoCD • SQL Server • RDBMS • Database Management • Redis • Caching • JWT • OAuth • Middleware • React.js • JavaScript • Front-End Development • Power BI • Alteryx • HL7 • Terraform • Java • Python • PHP • WordPress • MCSA • Data Structures

## Experience

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**Investnet | Senior Software Engineer | 2025 - Present**

- Designing and developing enterprise applications using Microsoft technologies (C#, .NET Core, Blazor, Razor Pages).
- Building frontend experiences with React.js, integrating APIs, and real-time features.
- Leading DevOps practices using Azure DevOps, Docker, GitHub, ArgoCD, and Octopus for deployment pipelines.
- Architecting new systems and collaborating in Agile teams using Git and GitLab flows.
- Implementing CI/CD pipelines, improving test coverage, and ensuring scalable, secure cloud deployments.
- Developing and integrating Identity and Access Management (IAM) features, including SSO, SAML, and OAuth2, to support secure authentication and authorization across internal and external systems.

#### **Vastian | Senior Software Engineer | 06/2024 - 12/2024**

- Migrated legacy .NET Framework apps to .NET Core.
- Developed Razor Pages, Blazor components, and Web Forms.
- Built microservices with Docker and Azure.
- Refactored codebases using SOLID principles.
- Integrated Syncfusion UI components.
- Wrote unit/integration tests (TDD).
- Built performant SQL queries and schemas.
- Created Azure Functions and Service Bus queues.
- Mentored junior developers.

#### **Alaska Airlines | Senior Software Engineer | 06/2021 - 06/2024**

- Developed APIs in .NET/C#.
- Built BFF layers and handled JWT/OAuth security.
- Implemented TDD and logging (Sumo, Serilog).
- Created enterprise reports (Power BI, Alteryx).
- Led architecture for greenfield projects.
- Built Function Apps and used Azure Service Bus.
- Applied SOLID and refactored with GitHub Copilot.

#### **Tri-State Memorial Hospital | Software Engineer | 2019 - 2021**

- Managed HL7 networking and middleware in .NET.
- Migrated enterprise sites to WordPress from React.
- Developed APIs in ASP.NET Core with SQL Server.
- Maintained Windows Servers and optimized DBs.

#### **Further Experience | 2018 - 2019**

- Web/DB Dev Intern at Houston Racket Club (2019)
- Spanish Tutor and Teaching Assistant (2018)

- Python 2D/3D Image Analysis Specialist (2018)
- OS and Kernel Development in C/C++ (2018)

### **QwickCharge | Front-End Developer | 2017 - 2018**

- Built UI with React.js and integrated .NET backend.
- Supported Azure-hosted solutions.
- Migrated legacy systems to WordPress.

### **Unity VR Projects | Developer | 2016 - 2017**

- Built simulations and VR apps in Unity/C#.
- Designed 3D models and dynamic environments.
- Used Unity physics, lighting, and testing tools.

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## Certifications

- AI Training for .NET Solutions
- Lead Senior .NET (SOLID)
- Security Training
- MCSA Windows Server
- Deep Dive Senior Architecture (Azure)
- PSM2 Scrum Master
- React & C# Masterclasses
- Java & PHP/DB Certifications

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## Languages

- English (Native)
- Spanish (Native)

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## Education & Awards

- University of South Carolina | Computer Science Bachelor | 2015 - 2017
- Lewis-Clark State College (LCSC) | Computer Science Bachelor | 2017 - 2019
- Higher GPA Award (3.7+)

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## About Me

My journey started with two passions that seemed worlds apart: tennis and technology. While I spent years training and competing as a professional tennis player, I eventually reached an ATP ranking of 800 and placed in the Top 10 in my country, I was also the kid who loved solving math puzzles and spent weekends exploring code and building small software experiments.

Over the last 10+ years, I've grown into a Senior Software Engineer and solution architect, leading the design and development of scalable, cloud-native systems. I've delivered full-stack platforms using React and .NET, migrated legacy architectures into modern microservices, and built secure, enterprise-ready solutions with IAM, SSO, and SAML at their core. I've led greenfield projects, improved DevOps pipelines, mentored junior engineers, and worked hands-on with Azure, Docker, Kubernetes, SQL, Redis, and more.

What drives me every day in my work is a deep desire to push limits, solve problems, and build things that matter. I bring that same focus and energy into every project I work on, always aiming to turn ideas into reliable, high-impact software.