# Tim Steinbis

**.NET Developer | Backend Engineer | DevOps Enthusiast**

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## Professional Summary

Results-driven .NET Developer with over a decade of experience designing and delivering secure, high-performance software for government, defense, and enterprise clients. Specialized in backend and API-driven architectures with a strong focus on C#, .NET 8+, and SQL Server. Proven success modernizing legacy systems, implementing scalable REST APIs, and building CI/CD automation using Jenkins and Bitbucket.

Continuously expanding DevOps proficiency to enhance deployment pipelines and cloud integration while maintaining deep expertise in backend engineering, data access, and secure application development.

## Core Competencies

Languages & Frameworks: C#, .NET 8+, ASP.NET Core / MVC, Web API, WPF (MVVM), WinForms, Angular 16

Databases: Microsoft SQL Server, MongoDB, Entity Framework Core

DevOps & Cloud: Bitbucket (Git), Jenkins CI/CD, Azure Fundamentals Certified, On-Prem Source Control (Vault)

Testing & Tools: MSTest, Moq, Postman (API Testing), InstallShield

Practices: Agile/Scrum, Full SDLC, Code Reviews, Mentoring, Secure Coding Standards

## Professional Experience

### SIMS Software – Software Engineer | Carlsbad, CA | 2016–2024

- Led full lifecycle development of a real-time, public-facing Visitor Management Kiosk System deployed in high-security government and defense facilities.

- Architected and implemented RESTful APIs supporting both internal system integrations and external third-party interfaces, leveraging service-oriented and API-specific design patterns.

- Enhanced performance and scalability by replacing large in-memory datasets with Entity Framework, dramatically improving query efficiency.

- Implemented JWT-based authentication using System.Identity.Model, ensuring secure access control and compliance with federal standards.

- Modernized legacy WinForms modules into .NET 8 / ASP.NET Web API architectures, improving maintainability and scalability.

- Established CI/CD automation with Jenkins and Bitbucket, optimizing build, version control, and deployment processes.

- Mentored and coached three developers transitioning into software roles, leading code reviews and enforcing best practices.

### SC3 – Software Engineer | San Diego, CA | 2016

- Developed secure ASP.NET web applications for the Department of the Army, meeting strict security and Section 508 accessibility standards.

- Enhanced and maintained web systems to align with evolving DoD cybersecurity and performance requirements.

- Participated in Agile/Scrum ceremonies, including sprint planning and retrospectives, supporting iterative delivery.

- Partnered with QA and operations teams to ensure functional, secure, and compliant deployments.

### Brandes Investment Partners – Software Engineer | San Diego, CA | 2014–2015

- Designed and built enterprise CRM and data management tools using ASP.NET MVC and SQL Server, streamlining business operations.

- Refactored and optimized complex stored procedures, improving query performance and system reliability.

- Created reusable Razor-based UI components aligned with MVC best practices, improving long-term maintainability.

- Focused on backend performance tuning and data automation, supporting data-driven workflows across departments.

### Verifone Inc. – Software Engineer | San Diego, CA | 2011–2014

- Automated deployment packaging using InstallShield, integrating early CI pipelines to reduce manual build times.

- Debugged and optimized WCF and ASMX web services, enhancing stability and scalability.

- Collaborated with QA and infrastructure teams to formalize build and release validation standards.

- Established foundational DevOps practices, paving the way for later CI/CD automation at SIMS Software.

## Projects

### Visitor Management Kiosk System (Government Sector, Proprietary)

Developed a real-time, public-facing WPF application for secure facility visitor processing. Delivered full lifecycle development using C#, .NET 8, WPF (MVVM), and SQL Server. Integrated RESTful APIs, implemented JWT-based authentication, and optimized performance through Entity Framework migration and database tuning.

**Key technologies:** C#, .NET 8, WPF (MVVM), ASP.NET Web API, SQL Server, Jenkins, Bitbucket

### Conference Management API (GitHub Demo – .NET 9 / MongoDB)

Partial backend service written in .NET 9 using ASP.NET Core Web API and MongoDB. Demonstrates registration and scheduling logic for conferences, JWT authentication, and modular architecture designed for future integration with Java-based microservices.

**Focus areas:** API design, MongoDB integration, container networking (Docker Compose), secure authentication

### User Service API (GitHub Demo – Java Spring Boot)

Experimental microservice built with Java 17 and Spring Boot, providing asynchronous CRUD operations for user registration and authentication. Integrates with SQL Server using JPA repositories and JWT-based authentication. Designed to complement the .NET conference service in a hybrid microservice ecosystem.

**Focus areas:** Cross-language communication, REST API design, SQL data persistence, and Java-based CI experimentation

## Education

**California State University San Marcos** – Bachelor of Arts, Human Development (Health Emphasis) (2009)

**Palomar College** – Associate of Science, Computer Science & Information Technology (2011)