JEFFREY SARDELLA

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SUMMARY

Computer Science professional with over 6 years of technical experience in object-oriented programming (C#) and 4 years of data-driven development (Python, SQL). Proven track record in building multi-tier applications and secure REST APIs while maintaining rigorous data integrity. Actively pursuing Microsoft Azure certifications to support enterprise-level cloud modernization and specialized data-intensive contracting solutions.

TECHNICAL SKILLS

Languages: C# (6 yrs), Python (4 yrs), SQL (3+ yrs), JavaScript (2+ yrs), PHP, R
Frameworks: ASP.NET & .NET Core (2 yrs), Vue.js, pandas, NumPy, Pygame
Databases: SQL Server (3+ yrs - Relational modeling, Stored Procedures)
Web & APIs: RESTful APIs (2 yrs), Authentication/Authorization (Role-based)
Tools & Cloud: Azure Fundamentals, GitHub, Visual Studio, Postman

CERTIFICATIONS

Microsoft Certified: Azure Fundamentals (AZ-900)   *In Progress (Target: March 2026)*
Microsoft Certified: Azure Data Fundamentals (DP-900)   *Planned*

SOFTWARE ENGINEERING EXPERIENCE (PROJECT-BASED)

Full-Stack Developer — Medical Web Application   Aug 2024 – Dec 2024

- Engineered a secure multi-tier web application using **ASP.NET MVC** and **C#**, focusing on scalable backend architecture.
- Designed and normalized relational schemas in **SQL Server**, utilizing stored procedures to optimize query performance and security.
- Implemented complex role-based authentication and authorization logic to manage sensitive data access controls.
- Developed controller logic and server-side validation to maintain 100% data integrity across application layers.

Backend Developer — OWP Forum Web Application   Jan 2025 – Present

- Building a **RESTful API** in PHP supporting high-volume CRUD operations for posts, categories, and user management.
- Architecting relational database structures with foreign key constraints to ensure strict data referential integrity.
- Integrating **Vue.js** frontend components with backend services to support dynamic, real-time user interactions.
- Implementing custom middleware to enforce authentication and permission-based route protection across system layers.

PROFESSIONAL EXPERIENCE

IT Assistant & Operations Support   Jan 2021 – Jun 2021
Pool Time Pool and Spa – Rancho Cordova, CA

- Configured software to streamline company job estimates and bidding accuracy.
- Managed digital transformation by transitioning paper records to searchable PDF and Excel formats.
- Provided technical support for Windows systems to maintain department productivity.

Shift Manager   Nov 2016 – Dec 2020
Burger and Cream – Auburn, CA

- Supervised diverse teams and managed daily operations in a high-volume environment.
- Troubleshot POS systems and technical equipment to minimize service disruptions.

EDUCATION

Bachelor of Science, Computer Science   Expected Spring 2026
California State University, Sacramento

Associate of Science, Computer Science   2023
Sierra College