

## CHRYSTAL SANDER

[Email](#) • [LinkedIn Profile](#) • [Twitter/Blog/Portfolio](#)

### SOFTWARE ENGINEERING RESUME

Software engineer for web, data-driven, back-end, database, and cross-platform application development

### CURRENT TECHNICAL EXPERTISE

- Core Skills: C#, .NET CORE, HTML, CSS, ASP.NET, LINQ, PowerShell, SQL, API, Azure Service Bus, Microservices and SOA architectures, Search Engine Optimization (SEO)
- Approaches: Agile, Iterative, Test-Driven, Continuous Delivery (Azure DevOps, Jenkins), Waterfall
- Data: Relational, Cloud, Object Storage, XML, JSON, SQL Server, Oracle

### PROFESSIONAL EXPERIENCE

#### **02/2020 - present • Owner & Developer • ApexTech Enterprises, LLC.**

Provide pro-bono technical services and support to local small businesses and individuals for the following:

- Website development and maintenance
- Database development, maintenance, mining, and business intelligence reporting
- Office software solutions and support
- Social media development and marketing
- WordPress and other content management system development
- IoT systems development for home and office
- Training, education, internships

#### **12/2013 - 01/2022 • Senior Software Engineer**

- Utilized software development technologies to provide secure payment processing solutions for ISO's, financial institutions, and merchants.
- Participated in iteration planning meetings where task estimation, work breakdown and assignment of responsibilities was interactively developed.
- Created unit tests, coding, tracing, and debugging using Test Driven Development. Automated acceptance tests that verified functionality of stories that were implemented via Azure DevOps.
- Evolved the management of data processes and publishing using in-house bulk copy programs, Active Batch, ETL, Compression & Extraction technologies in CICD systems utilizing Jenkins and Azure DevOps.
- Responsible for multiple websites utilizing responsive design elements and enhancements utilizing Typescript, React, and Redux.
- Technical lead for the development of a distributed object storage server housing unstructured data such as photos, videos, log files, backups, and containers hosted in private cloud infrastructures based on S3 storage functionality.
- Provided research, development, and performance matrices for multiple proof-of-concepts.
- Created internal and web API services and performed migrations from Open API to XML Gateway, TLS migrations
- Wrote and maintained both front-end and back-end location systems hosting international location data and geocoding.

**05/2010 – 12/2013 • Software Developer II**

- Created, maintained, and monitored web services utilizing XML, SOAP, and WCF via C# on both SQL server and Oracle systems.

**09/2006 – 12/2009 • Independent Software Developer Contractor**

- Used Microsoft Synchronization Framework, .NET, and SharePoint to develop event management and emergency response software solutions for Microsoft, the Bill & Melinda Gates Foundation, Tampa Bay Urban Security and Gasparilla Parade

**08/2001 – 09/2006 • Programmer / Analyst**

- Gained extensive database design programming experience creating SQL functions and stored procedures for reporting, analysis, ETL, data conversion utilizing SQL Server and Oracle in accordance with HIPAA and other regulatory committees

**OTHER TRAINING AND EXPERIENCE**

- Java, C, C++, JavaScript, Typescript, React, Redux, Docker, containers, self-learning algorithms for AI / Machine learning, Python, Splunk, Service Bus with Message Queuing

**EXTRA**

- Business expertise across multiple industries with specialties in healthcare, finance, and product development
- Patent co-inventor for US010885054B2 – Tracking Metadata Changes in Multiple Data Stores and Generating Alerts for Detected Data Impacts
- Microsoft Certified: Azure Fundamentals
- Participation in Hack-A-Thons, Girls 4 Tech, Mentoring, Junior Achievement

**EDUCATION**

- MASTER OF ARTS • 1997 • WEBSTER UNIVERSITY
- BACHELOR OF SCIENCE • 1995 • SOUTHEAST MISSOURI STATE UNIVERSITY