

SPENCER JONES

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PROFESSIONAL SUMMARY

Data-focused software engineer with 5+ years building enterprise data systems, ETL pipelines, and high-availability platforms. Specialized in multi-language development (Python, TypeScript, C#), database optimization, and automated data workflows.

EDUCATION

Western Governors University **2021 - 2023**

Computer Science Studies (107/120 Credits Completed)

Air University, Community College of the Air Force **2018**

Associate in Applied Science

EXPERIENCE

SmarterTools Inc. **Phoenix, AZ**

Software Developer *Apr 2025 - Present*

- Delivered SmarterMail High Availability functionality for enterprise email platforms
- Built custom logging backend replacing Serilog to resolve performance bottlenecks blocking release
- Developed Python tools for NTLM/LDAP authentication and comprehensive load testing of systems
- Created TCP protocol proxies for LDAP, IMAP, SMTP, and XMPP with distributed authentication
- Maintain personal homelab with MySQL and Grafana for data aggregation and visualization projects

Aspen Systems, Inc. **Scottsdale, AZ**

Software Developer *May 2022 - Mar 2025*

- Engineered ETL pipelines and data transformations for enterprise ERP systems (99% of work)
- Optimized legacy database performance with T-SQL execution plan and stored procedure analysis
- Built data-driven applications with TypeScript/React frontends and Python scripts for testing
- Developed business intelligence dashboards with real-time synchronization across multiple systems

National Indoor RV Centers **Surprise, AZ**

Software Engineer *Sept 2021 - Apr 2022*

- Architected cloud ERP/CRM systems using Azure, .NET, and Couchbase for contract storage
- Built data integration pipelines connecting ERP systems with RV dealership operational workflows
- Developed mobile apps with real-time synchronization via ASP.NET APIs

Systems Administrator/Software Developer *Apr 2020 - Sept 2021*

- Built comprehensive business intelligence platform using InfluxDB, Telegraf, Grafana, and T-SQL
- Created market intelligence system gathering and transforming competitor data for strategic analysis
- Automated data extraction and reporting workflows with scripts for comprehensive dealership metrics
- Developed custom data transformation pipelines for operational performance tracking

TECHNICAL SKILLS & CERTIFICATIONS

Languages Python, TypeScript, C#, Go, SQL

Databases PostgreSQL, MySQL, SQL Server, Couchbase, InfluxDB, Redis

Frameworks .NET Core, React, ASP.NET, Entity Framework, React Native, SignalR

Real-time WebSockets, gRPC, SignalR, Real-time Data Streaming

DevOps Docker, CI/CD, GitHub Actions, Azure DevOps, Git

Analytics Grafana, ETL Pipelines, Business Intelligence, Visualization, Performance Optimization

Testing Python testing frameworks, Load Testing, virtualenv, TDD Methodology

Certifications CompTIA Project+, ITIL v4 (Active)