

Scott Weeden

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OBJECTIVE

Technically experienced IT professional seeking to transition into fiber installation and data center infrastructure through the ETA/CBRE training program. 15+ years of enterprise systems, networking, and infrastructure experience with deep understanding of network protocols, physical connectivity, and technical documentation. Proven ability to learn complex technical systems quickly and apply them in production environments. Ready for intensive hands-on training and committed to building a career in fiber optic installation and data center operations.

TECHNICAL FOUNDATION

- **Networking Protocols:** TCP/IP, OSI Model, DNS, DHCP, VPN, VLAN, subnetting, routing fundamentals
- **Infrastructure:** Azure cloud services, Active Directory, SSO/SAML/OIDC authentication, identity and access management
- **Databases & Systems:** SQL Server, Oracle, MSSQL, database design, performance tuning, stored procedures
- **Development:** C#, .NET, ASP.NET MVC, PowerShell, REST APIs, WCF, WPF, Git version control
- **Monitoring & Operations:** SolarWinds, JIRA, automated alerting, system health dashboards, incident response
- **Compliance:** OFAC trade compliance, Conflict Minerals reporting, SCIF environments, DoD security standards

EDUCATION

Texas Tech University — Master of Computer Applications (MCA), Computer Science 2025–Present
Coursework: Analysis of Algorithms, Cryptography, Software Verification & Validation, Intelligent Systems

The Ohio State University — Bachelor of Science, Computer and Information Sciences 2000–2004

PROFESSIONAL EXPERIENCE

ExecuSource — IAM Developer Atlanta, GA • Jul 2022 – Feb 2023

- Integrated merger/acquisition systems for Home Depot/Crown Bolt supply chain, including SSO authentication for all employees across Azure AD and Okta
- Configured SAML/OIDC federation, conditional access policies, and identity governance workflows

Fisher Investments — Database Developer Camas, WA • Oct 2020 – Feb 2022

- Architected and maintained MSSQL/Oracle databases supporting financial reporting pipelines on Azure
- Built automated ETL processes, stored procedures, and SSIS/SSRS reporting integrated with Dynamics CRM, Salesforce, and DocuSign
- Enforced security controls, index tuning, and data integrity for high-availability financial systems

Jabil — Programmer III / Solutions Architect St. Petersburg, FL • Apr 2014 – Feb 2020

- Integrated legacy systems with Okta/Azure AD for VPN-less remote access using OIDC/OWIN middleware
- Developed CFO Risk Dashboard aggregating supplier/manufacturer contract data across global supply chain
- Ensured Conflict Mineral and OFAC trade compliance; participated in Architectural Review Board
- Managed budget proposals, hiring, and technical strategy for enterprise software platforms

TEKsystems / CSC / Jabil Circuit — Lead Developer / Solutions Architect DC Metro / Tampa, FL • Mar 2010 – Mar 2016

- **CSC:** Lead developer for Joint Logistics Analysis Tool (Defense Logistics Agency/DoD) — ASP.NET/Oracle 11g interfaces for nuclear facility and SCIF deployments
- Integrated SolarWinds REST API for automated ticket generation (JIRA) and server-by-server health monitoring
- **Jackson Hewitt:** Built software testing/validation processes, defect resolution workflows, Git version control
- **Jabil Circuit:** System linkage evaluation, technology requirements research, user requirement definition

Primescape Solutions (HighPoint) — Software Engineer

Washington, DC • Sep 2007 – Feb 2010

- Developed Windows services and WCF APIs for US Treasury bond auction and debt management systems
- Built WPF yield curve visualizations, CUSIP series generation, Federal Reserve/Bloomberg REST integrations
- Oracle database development (TOAD, SQL Developer, Oracle Forms) for Treasury Direct operations

TRANSFERABLE STRENGTHS FOR FIBER INSTALLATION

- **Physical Infrastructure Mindset:** 15+ years deploying and troubleshooting enterprise systems in data centers and secure facilities (SCIFs, DoD sites) — familiar with rack layouts, cable management, environmental monitoring
- **Documentation & Standards:** Authored technical specs, runbooks, compliance reports, and architectural diagrams for regulated environments (DoD, Treasury, financial services)
- **Protocol Literacy:** Deep practical knowledge of OSI Layers 1–7; understand signal integrity, latency, bandwidth, and error correction from both software and infrastructure perspectives
- **Safety & Compliance Culture:** Worked in SCIF/DoD environments requiring strict procedural adherence, badge access, chain-of-custody documentation, and zero-tolerance safety protocols
- **Hands-On Aptitude:** Built home lab environments (Proxmox, Kubernetes, network simulation); comfortable with tools, schematics, and systematic troubleshooting methodology
- **Team & Communication:** Led cross-functional teams, presented to architectural review boards, mentored junior developers, coordinated with vendors and stakeholders

PROJECTS & TECHNICAL DEPTH

- **AAAI Publication:** “Towards a Formal Verification of Agentic Systems” — peer-reviewed conference paper on formal methods for AI agent verification
- **Kaggle Competitions** (kaggle.com/scottweeden): Two competition entries with **top 5% ranked solutions** — demonstrating analytical problem-solving, data pipeline construction, and model optimization under competition constraints
- **vLLM Optimization Simulation** (TTU CS-5365): Simulating tensor parallelism, TLB behavior, and NVLink/InfiniBand interconnect performance on HPC Matador cluster (20 nodes, 2×V100) — systems-level performance analysis

References available upon request. GitHub: github.com/sweeden-ttu