

Professional Summary

Solutions Architect and Backend Engineer with 15+ years of experience building and operating cloud infrastructure in high-stakes federal environments. Proven track record designing serverless architectures, Terraform-managed multi-account AWS Organizations, AI/ML pipelines, and secure data platforms supporting U.S. Department of Transportation contracts. U.S. Army veteran adept at translating complex compliance requirements into production-grade IaC while owning full delivery across all environments.

Technical Skills & Credentials

- **Core Cloud Stack:** AWS (Bedrock, Lambda, API Gateway, S3, Aurora RDS, GuardDuty, IAM Identity Center), Terraform, Databricks Unity Catalog.
- **Systems & Tools:** Microsoft SQL Server, Oracle Database, Microsoft Power BI, SAP, Deltek Costpoint, Microsoft AX.
- **Languages:** Python, Terraform (IaC), SQL (T-SQL, PL/SQL), R/RStudio, DAX, Power Query M.
- **Certifications:** AWS Certified Cloud Practitioner, Certified ScrumMaster (CSM), CompTIA Security+, CompTIA Project+, Oracle SQL Certified Associate, SAS Certified Specialist.

Professional Experience

Solutions Architect

Halvik, Vienna, VA

2025 – Present

- **Modernized Infrastructure & DevOps:** Inherited fragmented legacy code for US DOT NHTSA's VISTA app; established Git workflows, PR code reviews, and consolidated scattered configurations into a unified Terraform IaC codebase.
- **Engineered Generative AI Pipelines:** Built the Conformity Package (CP) Automation pipeline using AWS Bedrock, automating vehicle compliance metadata extraction from images/PDFs into PostgreSQL.
- **Advanced Cloud Security:** Replaced legacy third-party scanning with AWS GuardDuty Malware Protection for S3; deployed custom Lambda-driven "check-before-sign" policies to block infected downloads.
- **Optimized API Integration:** Designed and deployed a secure POST/presigned-url API Gateway endpoint, giving the Salesforce frontend a credential-free interface for all S3 operations.
- **Corporate Enterprise Cloud Lead:** Serve as corporate AWS/Terraform SME; restructured corporate AWS Organizations hierarchy and implemented IAM Identity Center for centralized SSO user management.

Senior Technologist – Subject Matter Expert

QinetQ US, Lorton, VA

2020 – 2026

- Architected and maintained a secure AWS-based data lake using Terraform, leveraging Lambda functions to streamline ETL processes.
- Led design and implementation of a genetic data processing pipeline using AWS Batch, reducing processing time by weeks on the US DOT's Secure Data Commons (SDC) platform.
- Established data governance frameworks to ensure compliance with federal security standards, safeguarding sensitive data.
- Automated SAM.gov API key rotation and monitoring using Lambda, reducing manual effort by 40%.
- Utilized AI/ML/NLP tools to optimize development workflows, improving team productivity by 25%.

Co-founder – Consultant

Red Delta Group, Salt Lake City, UT

2018 – 2025

- Developed a SaaS tool for Risk, Issue, and Opportunity Management compliant with DoD guidelines.
- Built a cost reporting and analysis tool integrated with client ERP systems.

JEFF USSING

Tooele, Utah

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Data Analyst

Hexcel Corporation, Salt Lake City, UT

2017 – 2020

- Designed forecasting models and Power BI dashboards, reducing forecasting errors from $\pm 20\%$ to $\pm 5\%$ across six plants, supporting \$600M in revenue.
- Optimized ETL processes, cutting data processing time from 4 days to 12 hours, enhancing operational efficiency.
- Implemented an advanced planning system (frePPLe) with automated ETL and EDI processes, streamlining supply chain operations.
- Collaborated in a SAFe agile environment to integrate lean and DevOps practices, improving project delivery timelines.

Business Operations Analyst II

Albany Engineered Composites, Salt Lake City, UT

2014 – 2017

- **Data Warehouse & BI:** Designed and executed zero-error data warehouse and ETL migrations from Deltek Costpoint to SAP, supporting a \$1.2B revenue business. Developed an intranet BI portal for 200+ users.
- **ERP Project Management:** Led divisional Infor LN ERP implementation for a \$3.3B business, conducting complete gap analyses and configuration recommendations.
- **Costpoint SME:** Directed material domain hygiene efforts resulting in 100% BOM/route accuracy, and optimized resource allocation/forecasting for multi-million-dollar projects.

Production Planner/Scheduler II

Albany Engineered Composites, Salt Lake City, UT

2011 – 2014

- Managed master scheduling to ensure on-time delivery for the US Marine Corps' CH-53K Helicopter program.
- Implemented Earned Value Management System (EVMS) for DoD reporting, improving project tracking accuracy.

Forward Observer

US Army, Ft. Lewis, WA; Germany; Bosnia-Herzegovina

1991 – 1997

- Provided tactical leadership and operations support; awarded the Good Conduct Ribbon and NATO Medal for service in the former Yugoslavia.

Education

MS in Data Analytics | Western Governors University

TBD

BS in Business Management | Western Governors University

2014

Graduate courses in Information Systems | University of Utah

2016

Program Management (Level 1) | Defense Acquisition University

2015

Production, Quality & Manufacturing (Level 1) | Defense Acquisition University

2015