Capability Statement

A patented Zero Trust methodology for collaboration and sharing of sensitive data, from the enterprise to the edge — including map markers to support front-line teams.

Company Overview

Frost Mountain LLC is a micro business started as an R&D project *For Reporting Of Sensitive Tables and a MOUNTAIN of data*™. Many BI tools focus on the interface, leaving security as an afterthought. With over 20 years of rescuing legacy upgrades and cloud migrations on reporting projects, our founder wanted to transfer his knowledge and train the next generation on app integration, data flow, access controls, third-party tools, and data feeds, focused on improving reporting and dashboards with sensitive data shared between user groups. Our patented **FROST ULTRA Trust Level Mapping**™ methodology was inspired by an emergency response command center dashboard, where headquarters, partners, and our teams must work together under the harshest conditions.

Core Competencies

Standardization and Trust Level Mapping Model Methodology for Sensitive Data

- Audit & error reporting
- Database design & ETL
- Column-level data classification
- Locked-down browser frameworks
- Identity management
- Attribute-based access control
- Enterprise cyber reports
- Micro-segmentation & masking
- Key stores & endpoint compliance
- Multi-device dashboard layouts

Differentiators

01 **Patented Data Security and Governance.** Six U.S. patents cover custom web tagging and logging, audits, column-level classification, cybersecurity reporting, encryption key stores, data masking, and version control.

02 **Model-Driven Access Controls.** Access controls and data masking are defined in the data model. Trust levels map application datasets to user groups, designed to protect your most sensitive data through your workflow and improve security when sharing sensitive reports with your team.

03 **Mission-Ready at the Disconnected Edge.** Designed for limited, unreliable, or no connectivity, the methodology supports missions from the enterprise to the edge with preloaded device data and access controls by group, device, IP zone, and location.

04 **Awarded, Patented Methodology.** This awarded methodology is protected by patent, offered to integrator contractors through licensing agreements, and supported by Frost Mountain training and consulting.

05 **Standardized Integration and Collaboration.** A standardized integration and data-modeling approach aligns business, IDM, application, server, database, cybersecurity and teaming partners.

How We Engage

LICENSE

FROST ULTRA, Licensing Agreements

TRAIN

Trust Level Mapping for Collaboration

CONSULTING & PROTOTYPES

Custom Reporting Projects Dashboards, ETL and Datasets

COMPANY DATA

UEI	**FLV4T3YRJ958**
CAGE	**8D1W4**
Founded	**2019**
Size	**Small business**
Location	**Sterling, Virginia**

NAICS CODES

541511 Custom Computer Programming Services
541512 Computer Systems Design Services
541519 Other Computer Related Services
541611 Management Consulting
611420 Computer Training

FOUNDER'S EXPERIENCE

Clients
Commercial, State, Federal & DoW

Projects
PeopleSoft (Portal, HR, Campus)
Identity Management (IDM)
Financial (Contracts & Commission)

Software and Data Engineer
ColdFusion, VBA, DB2, Oracle, SQL Server (SSIS), MySQL, ESRI ArcGIS

FROST MOUNTAIN EXPERIENCE

Federal sub: Cognos & Momentum
Instruction & Paid Internships

- **2020** GMU & UMBC: patent commercialization, UI and Splunk research
- **2023** VMI Cyber Fusion: sponsor; trained interns on Nmap & TShark
- **2024** CCI Internship Program: created training lab guide
- **2025** MCJROTC Cyber Bootcamp: instructor both weeks, 8 multi-state classes; Wi-Fi security; ZTA training for all 160 students; CrowdStrike outage tabletop

Award Winner
AFCEA EPIC App Challenge 2022

CONTACT

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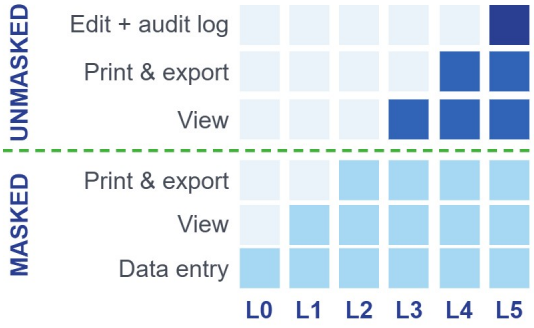
Updated October 2026

FROST ULTRA Trust Level Mapping™

Our patented methodology extends Zero Trust to the data model for integration and collaboration for your teams.

Six Trust Levels

Permissions are cumulative.



- Level 0 is one-way ingest with a source-key tag and no read access.
- Levels 1–4 may add attributed comments without altering source data.
- Level 5 edits are audit-logged.

Attribute Access Controls

Attribute-Based Access Controls decide masked vs. unmasked access.

Attribute	Masked · L0–2	Unmasked · L3–5
User / Service / Agent	Verified identity and role; periodic re-authentication	MFA, supervisor approval, continuous re-validation
Device / Display	Registered device; approved personal devices allowed	Managed, compliant device verified at connection
IP Zone	Trusted internal and field zones via VPN or gateway	Whitelisted IP zones only; unknown IP zones stepped down
Location	Approved field and mobile regions; geolocation logged	Geofenced secure sites; out-of-area access steps down

Issued Patent Portfolio

Inventor: David Vigna. Together, the six patents span the DoW Zero Trust pillars of User, Device, Application & Workload, Data, Network & Environment, and Visibility & Analytics.

Patent · Issued	Focus	Zero Trust role
US 11,301,241 Apr 12, 2022	**Error Handler & Audits**	Tagged logs drive compartmentalized access and error reports for multi-cloud, hybrid, and air-gapped web apps, with controlled export of sensitive fields.
US 11,368,466 Jun 21, 2022	**Data Classification**	Column-level classification enforced at the data-source connection; micro-segments data feeds and ESRI map layers by trust level and zone.
US 12,481,748 Nov 25, 2025	**Secure Locked-Down Browsers**	Metadata-driven client, server, and database business logic for data validation with scripting disabled on hardened operating systems.
US 12,294,597 May 6, 2025	**Enterprise Cyber Reports**	Website subfolder access by user-group role, IP zone, VPN group, and working hours; field-alias mapping joins multi-tool monitoring data into unified cyber reports.
US 12,652,161 Jun 9, 2026	**Encryption & Endpoint Checks**	Endpoint compliance check at authentication, formatting masks for sensitive data, and multiple export keys for third-party apps or preloaded devices.
US 12,438,881 Oct 7, 2025	**Dashboard Layouts & Versioning**	Versioned dashboards for multiple devices and location displays under a role-based matrix; device- and location-linked user tokens enable end-to-end audits.

FOUNDER & PRINCIPAL CONSULTANT

David Vigna

Two decades of software, web, report development, and identity management for commercial, state, federal, and DoW clients, along with mentoring three paid internship groups that trained over 17 college students.

Teaching UMUC teaching assistant (Network Security, XML) and tutor (ColdFusion, HTML, SQL); instructor for Cyber Bootcamp and Leadership (MCJROTC).

EDUCATION

UMUC

M.S., Database Systems Technology

B.S., Computer Studies, Accounting minor

Certificates: Information Assurance; Internet Technologies

CCBC

A.A., General Information Technology

CERTIFICATIONS

CompTIA Security+ ce

CompTIA A+

CompTIA Server+

Cognos 10 BI Author

ColdFusion Specialist