

# Gregory Kulp

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## Executive Summary

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Senior solutions architect with expertise in data platform architecture and relational databases, driving robust, secure solutions for complex data requirements. Developed and scaled a learning data platform MVP serving 20K+ users, implemented enterprise-grade governance frameworks, and optimized data structures to support multi-channel distribution. Skilled in distributed architecture, schematic design, and cross-functional collaboration to translate intricate requirements into scalable architectures.

## Technical Skills

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- **Architecture & Design:** Learning Data Architecture, Microservice Architecture, Event-Driven Architecture, Data Platform Architecture, Domain Driven Design, CQRS, Distributed Systems, High Availability, Technical Product Management
- **Data Management & Databases:** Data Modeling, Schema Design, Analytics Infrastructure, Data Governance, Data Interoperability, Data Lineage, Master Data Mana, SQL, PostgreSQL, Database Performance Optimization
- **Cloud & DevOps:** AWS, Docker, CI/CD, Terraform, Proxmox, Virtualization, Git
- **Programming & APIs:** Python, FastAPI, API Design, Restful API, JSON, JSON-LD, OAuth, OIDC
- **Security & Identity:** Role-Based Access Control (RBAC), IAM, Zero Trust Architecture
- **Standards & eLearning:** xAPI, SCORM, cmi5, Learning Record Store (LRS), P9274, LMS Platforms

## Work Experience

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### Stride, Inc. | *Tech Lead, Solutions Architect*

Mar 2022 - Nov 2025

- Promoted to Tech Lead after architecting core MVP of a learning data platform with SQL-based schema design, supporting 20K+ users across D2C and B2B environments
- Developed and launched a complete xAPI/TLA-aligned learning platform that enabled detailed tracking and visibility of learning activities for teacher professional development.
- Implemented audit-grade data governance using verifiable activity records (LRS), enabling reliable compliance and system-level validation
- Drove cross-functional solution architecture across engineering, cloud, cybersecurity, and product teams, standardizing platform integrations and data flows to support scalable, secure, and interoperable system delivery.

### K&M Investings, LLC | *Product Information Management*

Dec 2021 - May 2025

- Managed 13,000+ SKUs across multi-channel systems using PIM tooling, improving data integrity and enabling consistent product distribution
- Drove 238% eBay revenue growth by optimizing product data models and standardizing SKU structure across listings

### Simplest Data, LLC | *Founder, Data Systems Architect*

Jul 2025 - Present

- Built secure on-premise development environment (Proxmox, RBAC), enabling controlled CI/CD workflows and reducing deployment risk
- Defined xAPI-based data models and contracts aligned with NIST/CIS, enabling interoperable, high-integrity data across systems
- Designed event-driven architecture with clear data contracts, enabling predictable integrations across distributed systems

### VPS Worldnet Hosting, LLC | *Founder, Operator*

Jan 2018 - Present

- Scaled a managed VPS hosting business (Linux/AWS), coordinating 24/7 infrastructure operations and support, achieving 499% and 262% YoY growth with 78% recurring revenue

### IEEE | *Standards Contributor / OS Vice-Chair (LTSC)*

Mar 2025 - Present

- Serve as OS Working Group Vice-Chair, driving cross-group consensus and alignment across evolving learning data standards to reduce maintenance ambiguity.
- Apply hands-on experience in learning data architecture and identity systems to inform standards development and ensure practical, implementable specifications

## Awards & Recognition

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- **EdTech Breakthrough Award (Stride, Inc.):** Remote Learning Solution Provider of the Year, 2024