
SUMMARY

Forward-thinking technology executive with 20+ years' experience driving public sector digital transformation, product innovation, and secure enterprise architecture. Proven success in delivering multi-million-dollar initiatives, aligning product roadmaps with modernization mandates, and leading cross-functional teams from concept to scaled impact. Recognized speaker and thought leader across national law enforcement, cybersecurity forums, and innovative product development.

PROFESSIONAL EXPERIENCE

Enterprise Solutions Architect - Application Development Innovation, Data, and Analytics Team

Public Safety Consultant

October 2022 - Present, San Antonio, TX

- Architect technology solutions that seamlessly integrate with enterprise business strategy, ensuring alignment between technical implementation and organizational objectives.
- Design and implement comprehensive data visualization frameworks with actionable KPIs, enabling strategic decision-making and operational optimization across the enterprise.
- Lead innovation efforts by evaluating emerging technologies and designing scalable solutions that enhance business capabilities, utilizing insights from customer and vendor data to guide solution architecture, and documenting technical implementation patterns for machine learning models and AI recognition systems.
- Develop enterprise data integration architecture connecting disparate systems (CAD - Calls for Service, RMS - Incident Records, Location Services, Body Worn Cameras, Health EMR - Electronic Medical Records), creating unified data flows while documenting technical implementation for new federated ecosystem serving multiple agencies.
- Engineer system architectures optimized for performance, scalability and reliability, with detailed technical documentation supporting cross-functional implementation and future enhancement.
- Establish enterprise data modeling frameworks and integration patterns to ensure data integrity and accessibility across the technology ecosystem, supporting advanced analytics capabilities.
- Define technical governance models and architectural compliance frameworks that ensure solution quality, security and alignment with industry standards while enabling continuous architectural evolution.

Solutions Architect / Developer / Analytics Engineer / Product Owner

Intel Aware

January 2009 - Present, San Antonio, TX

- Full-Stack Product Development : Led the creation of intuitive front-end interfaces using Agile methodologies, rapidly transforming product concepts into functional prototypes that accelerated stakeholder buy-in and iterative refinement.
- Enterprise Solution Architecture : Designed comprehensive data workflow architectures with optimized database schemas, seamless API integration patterns, and robust security frameworks that formed the foundation for scalable product ecosystems.
- Cloud Platform Engineering : Orchestrated multi-tenant deployments across Azure and AWS environments, implementing containerized application strategies with Docker and Kubernetes that enabled dynamic product scaling and resource optimization.
- DevOps Innovation : Collaborated with engineering team to implement infrastructure-as-code through Terraform and establish CI/CD pipelines via GitHub Actions, creating automated deployment workflows across all product environments.
- Advanced Analytics Solutions : Spearheaded data lake implementation and analytics architecture, delivering actionable business intelligence through Power BI, Tableau, MicroStrategy and Business Objects that translated product data into strategic insights.
- Product Ownership Excellence : Guided cross-functional development teams through comprehensive product lifecycle management using JIRA/ClickUp, maintaining clear visibility of sprint progress while ensuring consistent product quality and timely releases.

Chief Technology Officer and Co-Founder

Trusted Driver

August 2020 - September 2024, San Antonio, TX

- GovTech Transformation Strategy: Pioneered cutting-edge technology initiatives directly aligned with organizational mission, establishing our company as an innovation leader within the government technology ecosystem. Implemented agile methodologies across departments, reducing product development cycles by 40% while increasing stakeholder satisfaction.
- Smart Infrastructure Engineering: Architected next-generation digital infrastructure combining edge computing, IoT deployment, and cloud-based solutions that redefined how public sector technology assets are managed and scaled. Utilized two-week sprint cycles to iteratively develop and deploy infrastructure components, ensuring rapid adaptation to evolving requirements.
- Go-to-Market & Capital Strategy Leadership: Designed and executed a go-to-market strategy that positioned emerging GovTech products for rapid adoption across state and local agencies. Secured \$5M+ in venture and public-sector innovation funding by aligning product value propositions with agency modernization mandates, securing intellectual property rights, leveraging a data-driven market segmentation and partnership approach.
- Security Framework Excellence: Implemented comprehensive security architecture adhering to CJIS and NIST compliance requirements, with specialized protocols for PII protection that exceed federal standards while enabling seamless government service delivery. Integrated security testing into each sprint cycle, ensuring security compliance without compromising agile development velocity.
- Public Sector R&D Leadership: Directed forward-looking research initiatives identifying emerging technologies with transformative potential for government operations. Adopted sprint-based R&D methodology with bi-weekly demos and stakeholder feedback loops to rapidly validate concepts and accelerate time-to-value.
- Innovation Ecosystem Development : Cultivated strategic alliances with GovTech startups, state agencies, and industry partners to create a collaborative innovation network that accelerates public sector digital transformation.

Deputy Director and Co-Founder - Special Projects

San Antonio Fusion Center - City of San Antonio - Police/Fire/EMS

April 2008 - September 2024, San Antonio, TX

- **Innovation Pipeline Development** : Collaborated with Agency Chain of Command to identify emerging technologies and transform them into actionable product roadmaps, establishing comprehensive KPI dashboards that quantified innovation impact across the enterprise.
- **Cross-Functional Leadership** : Directed an 85-member innovation ecosystem comprising intelligence analysts, development teams, and cybersecurity specialists to create integrated products spanning tactical, operational, and strategic domains.
- **Security Operations Transformation** : Revolutionized the 24/7 Security Operations Center by developing advanced analytical products and custom security technologies that seamlessly operate across all compliance framework environments - CJIS, HIPAA, PII, classified and unclassified.
- **Organizational Growth** : Executed strategic expansion from 4-person innovation team to 85+ specialists across 4 specialized product domains, securing and managing an \$8 million innovation budget while delivering measurable ROI.
- **Product Integration Architecture** : Applied deep technical expertise to identify and implement novel integration capabilities across CAD, RMS, E-Citation, EMR Solutions, Crash Reporting systems, and Federal Fraud Detection solutions, creating unified public safety workflows that aligned with organizational objectives while delivering transformative business intelligence solutions hosted on GovCloud.
- **Partnership Ecosystem** : Cultivated high-value strategic partnerships to optimize product development cycles and ensure service continuity. Aligned partner contributions with product innovation timelines while providing comprehensive RFI responses and proposal support.
- **Data-Driven Decision Support** : Pioneered sophisticated analytics frameworks and visualization dashboards that transformed operational data into strategic insights, delivering executive-level reporting that directly informed product development priorities.

Technology Director

East Central Independent School District

January 2006 - April 2008, San Antonio, TX

- **Enterprise Technology Leadership** : Directed comprehensive technology operations encompassing a 14-member technical team, 13 distributed campus locations, centralized network operations center, and security command center while managing an ecosystem of 13,000+ devices.
- **Budget Stewardship** : Executed strategic oversight of \$3.5 million operating budget, implementing a structured \$750,000 technology replacement program and coordinating 400+ hours of staff professional development to maintain organizational excellence.
- **Vendor Relationship Management** : Cultivated strategic partnerships with key technology providers, negotiating enterprise agreements that maximized value delivery while ensuring consistent service levels across all operational domains.
- **Expansion Leadership** : Spearheaded end-to-end technology planning and implementation for two major facility expansions, including the strategic relocation of mission-critical network operations infrastructure to optimize organizational capabilities.
- **Process Transformation** : Led the enterprise-wide implementation of service management frameworks that revolutionized support operations, achieving 72% reduction in response times while significantly enhancing service quality metrics.
- **Infrastructure Modernization** : Championed the complete transformation of network architecture across 13 campuses, transitioning from legacy T-1 infrastructure to high-capacity fiber connectivity that enabled next-generation communication services including integrated video and IP telephony.
- **Security Architecture** : Established comprehensive cybersecurity framework through strategic vendor partnerships, implementing enterprise-grade protection for internet traffic, email communications, and identity management systems.

Senior Intelligence Analyst

City of San Antonio - Police Department

March 2004 - July 2006, San Antonio, TX

- **Advanced Data Pipeline Architecture** : Engineered sophisticated data extraction frameworks and optimized batch processing systems that seamlessly transformed mainframe enterprise data into high-performance SQL environments for analytics consumption.
- **Custom Database Development** : Designed and implemented purpose-built database solutions tailored to departmental requirements, creating data models optimized for specific business intelligence needs while ensuring seamless integration with existing systems.
- **Batch Processing Optimization** : Architected automated monitoring systems for mission-critical ETL processes, ensuring reliable data capture from distributed sources while maintaining data integrity across on-premise and mainframe environments.
- **Transformative Web Application Engineering** : Spearheaded the development of innovative web-based analytics platforms that dramatically enhanced organizational efficiency by providing intuitive interfaces for complex data visualization and analysis.
- **Analytics Dashboard Innovation** : Created comprehensive visualization frameworks that transformed raw operational data into actionable intelligence, enabling data-driven decision making across multiple organizational levels.
- **Engineering Efficiency Multipliers** : Pioneered scalable application architectures that exponentially increased team productivity through intelligent data presentation, automated workflow integration, and intuitive user experience design.

Data Management Operations Specialist

USAA

May 1999 - March 2004, San Antonio, TX

- **Strategic Data Research** : Delivered comprehensive analytical support for critical business initiatives, producing data-driven insights that informed project prioritization, product development, risk mitigation, and budget allocation decisions.
 - **Forecasting & Productivity Analytics** : Generated evidence-based productivity forecasts through rigorous data analysis, creating predictive models that accurately projected operational capacity and resource requirements.
 - **Efficiency Identification** : Conducted systematic analysis of operational workflows, identifying redundancies and bottlenecks while quantifying potential efficiency gains through process refinement.
 - **Data-Driven Decision Support** : Furnished management with actionable intelligence derived from operational metrics, enabling informed decision-making that significantly improved operational performance.
 - **Continuous Improvement Analytics** : Implemented data collection frameworks that measured process effectiveness, establishing quantifiable metrics that demonstrated the impact of efficiency initiatives across organizational functions.
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EDUCATION

Master's of Science - Cyber Security Operations & Leadership

University of San Diego • San Diego, CA

Bachelor's of Business Administration - Information Systems

University of Texas • San Antonio, TX

CERTIFICATIONS

Scrum Master Certified

ScrumAlliance • 2022

Secret Security Level - Active

DHS / FBI • 2020

Network+

CompTIA • 2019

SKILLS

Cloud - Microsoft Azure (Development, Management, Monitoring, Gov Cloud), Amazon AWS (Security, Management, Development), API Integrations

Databases - SQL Server, Oracle, MongoDB, Postgres, Cassandra, Firebase, RDS

Languages - .Net, Angular, React, JavaScript, Python, Microsoft Power Apps

Frameworks - SDLC (Agile/Waterfall), TOGAF Architecture, National Intelligence - 28 CFR Part 23, FIPS, NIST/FISMA, CCPA, CJIS, UCR, NIBRS, NCIC, HIPPA, GDPR, & PII

Analytics - PowerBI, Crystal Reporting, Business Objects, Micro Strategy, SAP Cubes, Microsoft SSRS, Smart Sheet, tableau

Geospatial - ESRI/Insights/SpecOps, webEOC, DHS HSIN Connect SitRoom, AT&T FirstNet Device Telemetry

Cyber Intelligence - Microsoft Sentinel, Microsoft Defender, Azure SIEM/SOAR, Looking Glass, Shodan, DarkTrace Enterprise, FireEye iSIGHT, Cisco Talos/Firepower

SAAS Integrations - CAD (Central Square, Motorola, Versaterra), RMS (Hexagon, Tyler, Mark43), License Plate Readers (Pips/3M, Neology, Flock), Intelligence (SAS), Body Camera (Axon, Motorola, Utility), EMR (Zoll Data Systems), Fraud Solutions (FinCen), Samsara Fleet Operations and Safety, Routeware Route Optimization

PRESENTATIONS / PUBLICATIONS

California Police Chiefs Association Annual Training Symposium

- 2024 - Palm Springs, CA - Trusted Driver - Analytics Suite

International Association of Chiefs of Police - Annual Conference and Exposition (IACP)

- 2022 - Dallas, TX - Trusted Driver - Full Eco-System Solution

Institute for Economic Development - National Security Collaboration Center (UTSA)

- 2020 - Cyber Task Force - Cyber Security during COVID19

ESRI - National Security & Public Safety Summit

- 2022 - Critical Response - Special Events
- 2019 - Special Events Dashboard with Drone to Map
- 2018 - NCAA Final Four - Common Operating Picture

NFCA - National Fusion Center Association - National Annual Training Conference

- 2019 - Mapping Internet Infrastructure and Baseline Vulnerabilities
- 2018 - Cryptocurrency Browser Mining, Extremist Digital Fundraising & Mitigation Methods

First Responder Network Authority - AT&T FirstNet Authority Roadmap

- 2021 - APCO International - Public Safety Innovations: Connecting Responders - Drones and Mapping Applications
- 2019 - Special Events - Threat Assessment Deployment

Department of Homeland Security (DHS) - Public - Private Analytical Exchange Program

- Published 2018 - The Future of Ransomware and Social Engineering