

Beth Kjos

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Strategic Technology Partner & Operations Leader

20+ years of experience bridging the gap between complex data systems and high-level business goals. Expert in diagnosing systemic inefficiencies and architecting automated solutions that reduce risk and accelerate decision-making. Proven ability to align diverse stakeholders—from military commanders to financial traders—around unified strategic roadmaps. Uniquely capable of translating deep technical insight into clear, actionable executive guidance.

CORE COMPETENCIES

Strategic Planning: Roadmap Development, Systemic Risk Analysis, Operational Scalability, Resource Allocation.

Interpersonal Communication: Stakeholder Management, Cross-Functional Consensus Building, Executive Reporting, Regulatory Negotiation.

Technical Leadership: Automated Workflow Architecture, Data-Driven Decision Making, Root Cause Analysis (5 Whys), Technical Mentorship.

Domain Expertise: Financial Markets (Trading/Hedging), Capital Projects (Oil & Gas), Intelligence Analysis (DoD).

PROFESSIONAL EXPERIENCE

JPMORGAN CHASE | Houston, TX

Senior Software Developer & Strategy Implementation Lead | Feb 2021 – April 2026

Leveraged deep technical understanding of market data to drive business expansion, serving as the primary bridge between trading desks and engineering teams.

- **Strategic Expansion:** Architected the technical roadmap for a new signal-driven strategy framework, directly enabling the bank's entry into high-value Commodity and Options markets. Reduced time-to-market for new trading strategies by transitioning legacy systems to flexible, modular rule-sets.
- **Operational Resilience:** Spearheaded a critical infrastructure migration (OneTick to CrossTick), proactively identifying latency risks and implementing intelligent automated support actions to ensure business continuity during market volatility.
- **Technical Mentorship & Design Culture:** Elevated team-wide architectural standards by championing collaborative design reviews; facilitated high-level technical synthesis among senior engineers to ensure long-term system scalability and reduced technical debt.
- **Continuous Improvement:** Driven by a "5-Whys" root cause analysis philosophy, transitioned the team from reactive patching towards proactive system hardening, resulting in a more stable and maintainable code base.

FLUOR ENTERPRISES | Sugar Land, TX

Project Controls Automation Lead | Sept 2012 – Jan 2021

Transformed manual, error-prone project control workflows into high-integrity automated platforms, serving as the sole architect and internal evangelist for data-driven operational standards.

- **Strategic Change Management:** Identified systemic risks in legacy Excel-based reporting; independently architected and deployed a SQL/Python platform that scaled to support dozens of concurrent projects. **Successfully lobbied for its adoption across multiple project teams beyond original assignment.**
- **Stakeholder Synthesis & SDLC:** Navigated a traditional engineering environment to gather requirements from diverse stakeholders, translating "boots-on-the-ground" feedback into a high-reliability, HTTP-based user interface that provided real-time visibility into cost and performance.
- **Regulatory Negotiation:** Acted as technical bridge between Project, Certifying Authorities, and Regulatory Bodies. Facilitated weekly cross-discipline alignment meetings that **reduced average regulatory query turnaround by 68%** and secured certification for Canada's largest offshore production platform.
- **Complex Data Modeling:** Developed multi-variable financial models to allocate indirect budgets across construction contracts, providing leadership with the granular data needed to accurately forecast staffing and backlog as scope and market forces evolved.

UNITED STATES NAVY | Wahiawa, HI

Intelligence Analyst & Team Leader (Cryptologic Technician) | *May 2004 – July 2012*

Led high-stakes intelligence operations, synthesizing ambiguous data into actionable strategic briefings for senior military command.

- **Executive Reporting:** Authored and delivered time-sensitive intelligence reports to fleet and national-level commanders, directly influencing theater-level strategic decisions.
- **Team Leadership:** Managed administrative and operational readiness for a **70-member diverse team** of analysts. Designed and executed an 18-month leadership development curriculum focused on communication, ethics, and decision-making.
- **Analytical Strategy:** Selected, authored, and executed appropriate statistical testing on historical signal data to identify patterns and irregularities, uncovering vital insights that influenced knowledge-sharing within the agency.
- **Security Clearance:** Previously held Top Secret/SCI.

AVATAR TECHNOLOGY | Austin, TX

Senior Technical Lead & Full-Stack Developer | *June 2000 – July 2003*

Directed the end-to-end technical execution for a boutique firm, determining architectural standards and cross-discipline workflows for high-stakes web and e-commerce applications.

- **Multilingual System Architecture:** Architected and deployed scalable systems using a diverse stack (**Java, PHP, Python, Ruby, and JavaScript**); selected optimal operating systems and database environments (MS-SQL, PostgreSQL, MySQL) based on complex project requirements.
- **Cross-Discipline Orchestration:** Defined the collaboration interface between software engineering, UI/UX design, and quality assurance; established version control and branching policies that ensured seamless integration across specialized teams.
- **Strategic Logic Design:** Translated high-level business use-cases into robust database schemas and secure application logic for diverse sectors, including e-learning, inventory logistics, and symbolic data analysis.
- **Technical Governance:** Conducted comprehensive code and security reviews, maintaining high-performance standards while mentoring team members on efficient design and business logic implementation.

EDUCATION & AWARDS

- **Bachelor of Science, Computer Science** (Cum Laude) – Hawaii Pacific University
- **Associate of Arts, Korean Language** – Defense Language Institute
- **Upsilon Pi Epsilon** (Computer Science Honor Society)

TECHNICAL TOOLKIT

- **Strategy & Analysis:** Python, SQL, Java, Excel Modeling, VBA.
- **Systems:** Linux/Unix, Relational Databases (Postgres/SQL Server), Cloud Infrastructure & Architecture.
- **Certification:** AWS Certified Cloud Practitioner.