JASON **KOCH**

Orange County CA | (714) 473-9870 | jskoch@msn.com

Summary

Distinguished data engineering and database leader with a proven record of architecting and delivering enterprise-scale data solutions that drive strategic decision-making and operational excellence. Adept at leading distributed, high-performing teams across multiple geographies, translating complex business requirements into scalable, secure, and high-performance database architectures. Recognized for orchestrating end-to-end data lifecycle management from data modeling, ETL/ELT design, and data warehousing to BI enablement while ensuring governance, quality, and compliance at every stage. Combines hands-on technical expertise with executive acumen, successfully managing multi-million-dollar budgets, cross-functional initiatives, and high-impact technology transformations. Passionate about leveraging cutting-edge tools and innovative strategies to enhance data reliability, accelerate analytics, and empower organizations with actionable insights.

Skills

- Cloud data platforms
- Programming and scripting
- Data modeling
- Semantic layer design
- Data governance
- API integration
- Data modeling
- Data quality
- Development tools
- Strategic alignment
- Mentorship
- Program management
- Risk management
- Communication
- Process optimization
- Performance coaching
- Automation
- Big data
- Orchestration
- Validation Frameworks

Experience

Manager, Data Engineering   01/2018 to 10/2025
DoubleLine Funds   Los Angeles , CA

- Directed enterprise data engineering strategy for a $150B asset management platform, overseeing architecture, development, and production operations across trading, accounting, and security master domains, while ensuring scalability, governance, and executive stakeholder alignment.
- Managed and mentored a geographically distributed team spanning Los Angeles, Tampa Bay, and New Delhi, delivering business-as-usual support and strategic enhancement initiatives on schedule, accelerating feature velocity, and reinforcing operational resilience.
- Championed modernization initiatives within Microsoft Fabric, orchestrating end-to-end data ingestion, transformation, and storage across lakehouses, warehouses, Gen2 dataflows, pipelines, and Python notebooks; operationalized Data Vault accounting assets into bronze, silver, and gold layers, with enterprise-grade semantic models, to enable faster Power BI analytics and materially reduce reporting latency.
- Led proof-of-concept initiatives for database mirroring and Fabric materialized views, leveraging Python and Great Expectations to benchmark alternative loading strategies, elevate data quality controls, and significantly improve pipeline efficiency and reliability.
- Architected secure API integrations across enterprise platforms, including Bloomberg HAPI for on-demand security master acquisition, Microsoft Graph API with Office 365 for automated report retrieval, and Fabric API orchestration of SSIS workloads, strengthening SLA performance, data completeness, and cross-system interoperability.

Database Developer   07/2016 to 01/2018
DoubleLine Funds   Los Angeles, CA

- Architected and deployed a scalable Data Vault–based enterprise warehouse comprising 100+ tables supporting trading,

pricing, accounting, and reconciliation, delivering full implementation within accelerated timelines, and enabling agile, rapid-turnaround enhancements for subsequent releases.

- Led the end-to-end database development lifecycle, including schema design, performance tuning, indexing strategy, and production deployment, ensuring high availability, data integrity, and optimized query performance across mission-critical financial systems.
- Directed and optimized overnight ETL operations by managing over 200 SSIS packages and SQL Server Agent jobs, orchestrating data ingestion from more than 50 source systems, while reducing latency and guaranteeing daily reporting readiness.
- Strengthened database reliability and operational resilience through proactive monitoring, automated job recovery processes, and structured error-handling frameworks aligned with enterprise SLAs and governance standards.
- Partnered cross-functionally with trading, accounting, and reconciliation stakeholders to translate complex business requirements into robust database solutions, reinforcing scalability, auditability, and long-term platform sustainability within a high-volume data environment.

Senior Data/BI Architect, AVP   11/2012 to 07/2016
Wells Fargo   Charlotte, NC

- Architected a multi-terabyte enterprise risk data warehouse, leveraging dimensional modeling best practices, and delivering consolidated issuer, counterparty, and country exposure insights to senior risk and investment leadership.
- Directed an end-to-end data integration strategy through the development and governance of 30+ SSIS packages, standardizing ingestion, transformation, and validation processes across complex upstream source systems.
- Established scalable data models and optimized storage architecture to enhance query performance, accelerate analytics delivery, and support high-volume regulatory and executive reporting requirements.
- Led BI enablement initiatives using MicroStrategy, designing semantic layers and executive dashboards that provided faster, trusted access to consolidated risk metrics, and improved decision velocity.
- Collaborated with risk, compliance, and technology stakeholders to translate regulatory and enterprise risk management requirements into sustainable data architecture solutions aligned with governance, auditability, and long-term platform scalability.

Technology Manager   05/2006 to 11/2012
Wells Fargo   Chandler, AZ

- Implemented an enterprise Operational Risk Data Warehouse, enabling comprehensive risk identification, exposure analysis, corrective action tracking, preventive controls, and control effectiveness testing in alignment with regulatory and governance frameworks.
- Led and mentored a hybrid team of five developers, providing technical oversight and hands-on leadership across architecture, data modeling, ETL, database, and BI layers, utilizing PowerDesigner, Oracle 11g, IBM DataStage, Business Objects universes, dashboards, and Crystal Reports.
- Established end-to-end data architecture standards and delivery governance, ensuring scalable design, data integrity, auditability, and high-performance reporting capabilities across operational risk functions.
- Directed portfolio planning and fiscal oversight for a multi-million-dollar departmental budget, leveraging Excel, Microsoft Project, and VBA-driven automation to maintain forecast accuracy, cost control, and strategic investment alignment.
- Partnered with executive stakeholders, risk leadership, and cross-functional technology teams to translate complex operational risk requirements into sustainable technology solutions that strengthened enterprise risk visibility and long-term platform resilience.

Project Manager/Developer   03/2002 to 05/2006
Arizona Public Service   Phoenix, AZ

- Directed the development and production support of a mission-critical Pricing Data System, automating daily commodity price ingestion, and end-of-day mark-to-market portfolio valuation to strengthen counterparty risk oversight and ensure data accuracy across trading operations.
- Managed full lifecycle implementation of the PeopleSoft ERP platform, leading cross-functional teams, external vendors, and executive stakeholders to deliver the enterprise solution on schedule, within scope, and aligned with governance standards.

- Led a large-scale enterprise technology refresh initiative, overseeing the coordinated replacement and deployment of over 15,000 laptops and desktop systems while minimizing operational disruption and maintaining business continuity.
- Orchestrated the migration to the JPMorgan Chase corporate card platform, aligning financial, operational, and technical workstreams to ensure a seamless transition, regulatory compliance, and improved expense management controls.
- Applied structured project management methodologies and hands-on technical leadership to drive delivery excellence, risk mitigation, stakeholder communication, and measurable operational improvements across complex, multi-workstream initiatives.

Systems Development Manager, VP   05/1994 to 03/2002
Bank One (now JP Morgan Chase)   Tempe, AZ
- Pioneered the design and implementation of an innovative callback-based customer service platform, introducing load balancing and predictive staffing capabilities that reduced headcount requirements, and decreased average customer wait times from 15 minutes to 30 seconds.
- Directed enterprise systems development strategy for distributed customer service and collections environments, aligning technology architecture with operational performance, scalability, and service-level objectives.
- Led the full lifecycle build-out and IS enablement of new collections call centers in Indianapolis, Chevy Chase, and Austin, overseeing infrastructure procurement, systems installation, software deployment, configuration, and post-launch production support to ensure seamless operational readiness.
- Architected and delivered the Business Card Application Processing System, automating corporate card workflows through API-driven credit bureau integrations, automated credit evaluation logic, document imaging, and secure repository management with indexed database linkage.
- Managed cross-functional technology teams and external partners, driving governance, risk mitigation, and executive reporting while ensuring secure, scalable systems that supported high-volume transaction processing and regulatory compliance.

Education and Training

MBA: **Business Administration**   05/2002
Arizona State University   Tempe, AZ

Master of Information Management: **Information Management**   05/2002
Arizona State University   Tempe, AZ

Bachelor of Science – Computer Information Systems : **Computer Information System**   05/1999
Arizona State University   Tempe, AZ
- Graduated: Summa Cum Laude

Certifications

Microsoft Certified: Fabric Data Engineer Associate. Certified Data Vault Data Modeler • Data Vault Academy. MCSA – SQL Server Development 2016.

Reference

Jyoti Yadav
Senior Data Engineer – Vichara Technology
(contactjyoti90@gmail.com)
 Seema Shekam
Senior Data Engineer – Vichara Technology
(seema.shekam@gmail.com)
Wen Tang
Senior Data Engineer – DoubleLine Funds
(twl1019@gmail.com)
Akshay Jajoo
Senior Data Engineer – DoubleLine Funds
(axjajoo@gmail.com)