

Jayden Liu

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SUMMARY

Senior Mainframe **COBOL** Developer and **Technical Lead** with 13 years supporting high volume financial transaction platforms across banking, brokerage, and **capital markets** environments. Hands on expertise includes COBOL, DB2, VSAM, JCL, CICS, **Dynamic Transaction Routing**, DB2 utilities, File AID, scheduling, debugging, production support, and fault tolerant processing. Leads architecture, modernization, code reviews, unit testing, performance work, platform upgrades, and complex incident resolution for distributed Agile teams. Partners with Infrastructure, Operations, business analysts, and technology leaders to turn priorities into reliable solutions that protect transaction integrity and customer service. Mentors developers, identifies technical risk early, and improves delivery standards across mission critical applications. Brings practical leadership and deep platform knowledge to organizations strengthening mainframe reliability, scalability, and integration.

EXPERIENCE

Senior Mainframe Technical Lead

January 2023 - Present

Redwood Securities Systems

Dallas, TX

Leads architecture, delivery, modernization, and production support for COBOL and CICS brokerage applications. Guides distributed Agile developers while coordinating with Infrastructure, Operations, and business stakeholders.

- Set COBOL and CICS architecture direction for brokerage processing, improving reliability across critical transaction services.
- Improved **DB2** and **VSAM** workflows for account processing, strengthening throughput, recovery, and data consistency.
- Established **code reviews** and **unit testing** for distributed Agile developers, raising confidence in production changes.
- Resolved incidents with File AID, **DB2 utilities**, **debugging tools**, and transaction traces, restoring dependable service.
- Assessed legacy components and integration boundaries, sequencing modernization work for cleaner distributed application access.
- Presented risk and performance findings to stakeholders, guiding priorities for reliable customer facing brokerage services.

Lead Mainframe Developer

March 2020 - December 2022

Blue Mesa Bank

Fort Worth, TX

Owned design, delivery, performance, and operational readiness for banking deposit and payment applications. Mentored developers and coordinated platform upgrade testing with **infrastructure** specialists before controlled releases.

- Delivered COBOL, DB2, **CICS**, VSAM, and **JCL** enhancements for continuous banking transaction availability.
- Tuned DB2 access paths and batch workflows, stabilizing close and settlement processing during peak periods.
- Implemented **Dynamic Transaction Routing** patterns, distributing CICS workload across regions for stronger service continuity.
- Led release walkthroughs covering error handling, restartability, validation, and operational readiness before deployment.
- Coordinated platform upgrade testing, confirming schedules, utilities, dependencies, and recovery procedures before cutover.
- Mentored developers through production analysis, helping teams resolve cross application issues with greater independence.

Senior Mainframe Developer

August 2016 - February 2020

Granite Peak Capital Services

Richardson, TX

Developed and supported capital markets services connecting COBOL and CICS processing with **distributed applications**. Owned data access, batch scheduling, diagnostics, and incremental modernization recommendations for regulated financial workflows.

- Developed **COBOL** and CICS services connecting **capital markets** transactions with distributed application interfaces.
- Redesigned DB2 routines and VSAM access patterns, improving consistency and response behavior for transaction workflows.
- Built JCL streams and scheduling dependencies with restart controls for dependable daily and intraday processing.
- Isolated defects using **File AID**, debugging tools, **DB2 utilities**, and production diagnostics across integrated systems.
- Documented modernization options for legacy components, clarifying dependencies and reducing implementation risk.
- Converted regulatory and product changes into tested updates without disrupting critical financial processing windows.

Mainframe Developer

June 2013 - July 2016

Prairie State Financial

Arlington, TX

Built foundational expertise through COBOL development, JCL scheduling, DB2 and VSAM processing, CICS support, testing, and production analysis for banking applications under senior technical guidance.

- Developed **COBOL** programs for **banking** workflows, protecting accuracy across online and batch processing.
- Created JCL streams with dependency checks, return codes, restart procedures, and dataset controls.
- Implemented DB2 access and VSAM processing for account functions using established programming standards.
- Traced CICS transactions and tested fixes under senior guidance before controlled release.
- Investigated data issues with File AID, **DB2 utilities**, and **debugging tools**, documenting repeatable findings.
- Partnered with analysts, testers, and engineers in **Agile delivery**, progressing toward independent enhancement ownership.

PROJECTS

Brokerage Transaction Modernization 📅 2024

A mature transaction component became a modernization priority. Assessed integration boundaries, mapped technical risks, and sequenced incremental changes that improved distributed application access without disturbing core brokerage processing.

Banking Platform Upgrade Readiness 📅 2022

A platform upgrade required confidence before cutover. Coordinated compatibility tests, scheduling checks, utility validation, and recovery exercises with infrastructure partners for dependable banking operations.

LEADERSHIP & AWARDS

- Technical Leadership Recognition for strengthening brokerage application reliability and mentoring distributed Agile developers.
- Operational Excellence Recognition for resolving complex production issues across banking and capital markets platforms.
- Team Contribution Recognition for guiding code reviews, modernization planning, and cross functional delivery.

EDUCATION

Bachelor's Degree in Computer Science

2013

University of Texas at Dallas GPA: 0

Richardson, TX

Coursework: Data Structures, Database Systems, Operating Systems, Software Engineering

CERTIFICATIONS

- IBM Enterprise COBOL Development Certificate 📅 2024
- IBM Db2 for z OS Administration Certificate 📅 2023

TECHNICAL SKILLS

- **Mainframe Languages:** COBOL, JCL, CICS
- **Database Systems:** DB2, VSAM, DB2 utilities
- **Transaction Processing:** Dynamic Transaction Routing, CICS regions, online processing
- **Diagnostic Tools:** File AID, debugging tools, transaction traces
- **Batch Scheduling:** JCL streams, scheduling tools, job dependencies
- **Application Architecture:** Mainframe architecture, distributed applications, systems integration
- **Operations Support:** Production support, incident resolution, root cause analysis
- **Performance Engineering:** DB2 access paths, batch throughput, capacity optimization
- **Quality Practices:** Code reviews, unit testing, implementation standards
- **Delivery Methods:** Agile delivery, architecture reviews, technical walkthroughs
- **Financial Domains:** Brokerage, capital markets, banking
- **Modernization:** Platform modernization, legacy assessment, incremental renewal

SKILLS

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|---------|-------------------------------|----------------------------|----------------------------|
| • COBOL | • CICS | • Scheduling tools | • Systems integration |
| • DB2 | • Dynamic Transaction Routing | • Debugging tools | • Performance optimization |
| • VSAM | • DB2 utilities | • Solution architecture | • Production support |
| • JCL | • File AID | • Distributed applications | |

PROFESSIONAL AFFILIATIONS

- Mainframe technology community participant focused on COBOL, DB2, CICS, and platform modernization.
- Financial services technology peer network participant supporting knowledge exchange across banking and capital markets.

LANGUAGES

- English (Native)
- Mandarin Chinese (Proficient)

ADDITIONAL INFORMATION

Work Status : Authorized to work in United States. No sponsorship required.

REFERENCES

AVAILABLE ON REQUEST