



Jayden Liu

Senior Mainframe COBOL Developer, Technical Lead

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STRENGTHS

- 🔍 **Production judgment**
During severe transaction incidents, connected traces, job output, and data evidence before choosing safe recovery steps.
- 👥 **Developer mentoring**
Turned code reviews into useful coaching moments, and peers gained confidence handling difficult COBOL changes.
- 🏗️ **Architecture thinking**
Mapped legacy boundaries before modernization work, giving stakeholders a clearer path with fewer delivery surprises.
- 🤝 **Stakeholder partnership**
Translated business priorities into practical releases, helping technology and operations partners protect customer service.
- ⚙️ **Operational discipline**
Built restart checks and validation points into batch work, making daily processing easier for teams to trust.

SKILLS

COBOL DB2 VSAM JCL CICS

Dynamic Transaction Routing

DB2 utilities File AID

Scheduling tools Debugging tools

Solution architecture

Distributed applications

Systems integration

Performance optimization

Production support

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

Redwood Securities Systems 📅 January 2023 - Present 📍 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

Blue Mesa Bank 📅 March 2020 - December 2022 📍 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

Granite Peak Capital Services 📅 August 2016 - February 2020 📍 Richardson, TX

LANGUAGES

English Native

Mandarin Chinese Proficient

MY CAREER



● Senior Mainframe Technical Lead at Redwood Securities Systems (3.8 Years)

● Lead Mainframe Developer at Blue Mesa Bank (2.8 Years)

● Senior Mainframe Developer at Granite Peak Capital Services (3.5 Years)

● Mainframe Developer at Prairie State Financial (3.1 Years)

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

Prairie State Financial 📅 June 2013 - July 2016 📍 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

University of Texas at Dallas 🎓 GPA: 0 📅 2013 📍 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

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.

ADDITIONAL INFORMATION

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

REFERENCES

AVAILABLE ON REQUEST