

MATTHEW KUTESA SEGUJJA

Fintech Developer | Accounting Information Systems | Security and Payments Engineer
msegujja21@gmail.com • +1 (864) 720-9781 • linkedin.com/in/matthew-segujja • github.com/MKSNJOVU

PROFESSIONAL SUMMARY

C# developer and technical project manager with a CPA-track accounting information systems foundation, building financial automation software and secure payment infrastructure for a global shipping enterprise. Leads Agile delivery in Azure DevOps from business discovery through production deployment, bridging accounting expertise, project leadership, and hands-on engineering across fintech and distributed payments.

CORE COMPETENCIES

Project Management and Delivery: Azure DevOps (Boards, Sprints, Epics, Features, Backlogs, Wiki) • Agile / Scrum • Sprint Planning • Backlog Refinement • Stakeholder Negotiation • Requirements Elicitation • Roadmapping

Cloud and Engineering: C# • .NET • RUST • Cursor • SQL (T-SQL, PostgreSQL) • Azure Functions • SignalR

Security and Privacy: AES-GCM • Argon2id • TransactionScope • Prompt Injection Mitigation • Containerized Mail Security • Anonymous Account Design

Finance and Data: Invoice Reconciliation • Financial Reporting • Tax Planning • Power BI • Alteryx • QuickBooks • Thomson Reuters CS

PROFESSIONAL EXPERIENCE

Mediterranean Shipping Company, Charleston, SC

May 2025 to Present

Developer / Project Manager, Finance Technology Support Department

- **Lead Agile delivery in Azure DevOps** for the finance technology team, designing bi-weekly sprints, sizing effort against developer velocity, running backlog refinement, translating requirements into Epics and Features, and curating the DevOps Wiki that standardized documentation and cut new developer on-boarding time.
- **Manage the project intake pipeline** by meeting with end users and business teams to discover finance automation opportunities, scope new projects, and relay roadmaps to developers in structured module planning meetings.
- **Developed a standardized JSON billing integration** with four major national port terminals; designed the database structure and C# cloud ingestion logic that automated the invoice ingestion workflow.
- **Designed a secure Azure Function and SignalR pipeline** that ingests email attachments, validates JSON against schema, routes approved files to a WPF finance application, and purges malformed payloads in real time.
- **Researched and mitigated indirect prompt injection risks** in an AI-assisted ingestion pipeline; engineered a containerized mail security group restricting both human and AI access to sensitive finance mailboxes.
- **Led the VBA-to-C# WPF modernization** of an invoice validation tool, wrapping SQL writes in **TransactionScope** for atomicity, consolidating queries into stored procedures, and refactoring legacy code to a DRY MVVM architecture.
- **Delivered a PO-search system** for barge and rail-based invoices, **reducing processing time from 2 hours to 45 minutes per invoice** (approximately 62% improvement).

Mediterranean Shipping Company, Charleston, SC

Jun 2024 to May 2025

Cost Control Clerk

- Served as technical lead advisor for an automated invoice processing system supporting a national logistics vendor; reconciled invoices across 30+ vendors using advanced Excel and data transformation to resolve billing discrepancies with operations.

Stokes and Company, CPA, PC, Spartanburg, SC

May 2022 to May 2023

Staff Accountant

- Prepared monthly financial statements for 20+ clients (\$500K-\$5M revenue) across hospitality, medical, and professional services using QuickBooks and Thomson Reuters CS; delivered tax planning strategies that meaningfully reduced client liabilities.

INDEPENDENT ENGINEERING PROJECTS

Independently designed projects in secure-by-default financial infrastructure and end-to-end encrypted communication tooling.

- **COFFERS, Privacy-First Money Management Platform:** Designing a full-stack banking system with double-entry transaction logging, PostgreSQL for encrypted account headers, cold-wallet custody, and a financial engine for instant domestic and international transfers built on anonymous, randomly generated account identifiers.
- **ARTEMIS, Cross-Platform Encryption Suite:** Desktop (Avalonia/C#), mobile (Kotlin), and web (JavaScript) builds implementing AES-GCM with Argon2id key derivation.

EDUCATION AND CERTIFICATIONS

University of South Carolina, Darla Moore School of Business, M.Acc. in Information Systems and Controls

Bob Jones University, B.S. in Accounting

Data Analytics Certification (USC) • Microsoft Office Specialist, Excel • CPA Track