

SHIFAN HIRANI

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SUMMARY

Backend software engineer who builds and ships production APIs and services across CRM and streaming platforms, from client requirements to keeping services reliable under load. Strongest in Java, Python, JavaScript, and SQL. Targeting backend, full-stack, platform, and fintech roles.

EXPERIENCE

Paycom | Software Engineer II, CRM Team | Irving, TX Sept 2024 - May 2026

- Built a Tax Information dashboard in React, backed by PHP and C# services that synced client-system data overnight, cutting the Tax team's research and filing prep ~40% and killing the manual lookups
- Stabilized a long-running data-sync process that hung under tens of thousands of requests/min by chunking the load into smaller batches, restoring reliable throughput
- Built event-driven tasking and notifications across several microservices that auto-updated the assigned client representative when a key contact left a client account, cutting response times ~30%
- Drove new CRM initiatives end to end: gathered requirements directly from clients, authored the technical specs, and shipped the features
- Onboarded junior engineers onto the CRM codebase and helped them through their first PRs; reviewed team PRs weekly and worked live incident response in Splunk when company-wide CRM services went down

Resi Media | Software Engineer Intern | Allen & Plano, TX Summers 2022 & 2023

- Built and optimized backend APIs serving 5,000+ customers, enhancing the RSP-to-RTMP live-streaming pipeline (YouTube, Twitch) and clearing ~20% of the Media team's backlog
- Cut database query times ~25% by adding Redis caching for media metadata; re-engineered the Sites mapping framework (Oriika to MapStruct) for ~20% faster transformations
- Reached 85% unit-test coverage (JUnit 5, Mockito) and profiled the streaming API to resolve processing and memory bottlenecks

PROJECTS

Real-Time Crypto Market-Data Pipeline | Go, Kafka, Kubernetes, Azure (AKS) 2026

github.com/hirashif/crypto-market-pipeline

- Built an event-driven pipeline of three Go services (ingester → processor → REST API) streaming live exchange data over WebSockets into Kafka with Redis caching; runs on Azure AKS (Terraform) with GitHub Actions CI/CD and Prometheus metrics

Double-Entry Ledger Service | Java, Spring Boot, PostgreSQL 2026

github.com/hirashif/ledger | *live demo: ledger-75986543116.us-central1.run.app*

- Built a double-entry ledger API in Java and Spring Boot over PostgreSQL: idempotency keys make transfers safe to retry, row-level locking prevents overdrafts under concurrent transfers, and database constraints reject unbalanced transactions

qs509 | Post-Quantum Cryptography Library (Go) | Capstone, Texas A&M and L3Harris Jan - Apr 2024

github.com/CSCE482QuantumCryptography/qs509

- Built a Go library providing post-quantum cryptographic primitives to secure client-server communications; validated under simulated network conditions with Mininet

EDUCATION

Texas A&M University | B.S. Computer Science (Business Concentration) May 2024

GPA 3.63 - Distinguished Student (3 semesters)

Relevant coursework: Data Structures & Algorithms, Operating Systems, Database Systems, The Bitcoin Protocol

SKILLS

Languages: C++, Python, Java, SQL, JavaScript/TypeScript, PHP, C#, Go

Frameworks & Data: React, Spring Boot, REST APIs, Kafka (event-driven), Redis, PostgreSQL, JUnit/Mockito

Tools & Infra: Docker, Kubernetes, Azure (AKS), Terraform, CI/CD (GitHub Actions, GitLab), Grafana, Splunk, Jira

AI Tooling: Claude Code, Cursor, Codex, OpenCode (agentic coding), LLM app development (OpenAI API)

Work Authorization: U.S., no sponsorship required