Celyna Su

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PROFESSIONAL EXPERIENCE

JPMorgan Chase & Co. | Software Engineer II *Jul 2021 – Present*

AUTHORIZED SIGNERS PLATFORM

Self-service platform enabled for 27.8K client organizations across three J.P. Morgan banking channels, replacing manual signer-maintenance workflows (up to 30K annual service requests, 3–5 day turnaround); projected $3M+ annual Middle Office capacity.

- Drove 0-to-1 frontend delivery of multi-entity Add Signer for Chase Connect (React, TypeScript), covering eligibility, validation, approver selection, and error handling; enabled for 8.6K client organizations. Now the engineering owner for Connect production support, deployments, and triage.
- Cut production defect diagnosis from over an hour to minutes by propagating trace IDs across Java/Spring Boot services and Kafka consumers, enabling QA to trace requests independently.
- Built an architecture-aware GitHub Copilot agent integrating Jira, SonarQube, Snyk, and Kubernetes via MCP to automate ticket implementation, testing, and code validation, accelerating delivery while maintaining code quality.
- Context-engineered architecture, API contracts, and service ownership across 22 repositories; onboarded 4 engineers who used the agent across 20+ PRs in two sprints, with personally authored PRs achieving 100% new-code test coverage and zero detected security vulnerabilities.
- Reworked signer APIs and workflows to handle channel-specific entitlements across Chase Connect, Access, and Digital Banking; Add Signer enabled for 9.7K+ U.S. clients as Access grew from 702 to 18.6K enabled clients (Oct 2025 – May 2026).
- Shipped an approval workflow for signer removal end to end, adding approval states, notifications, and audit events across UI and services to close a control gap; both production releases passed validation on first promotion with no rollbacks.

SIGNER ACTIVITY TRACKER | INTERNAL OPERATIONS TOOL

Internal platform used by Product and Operations to investigate signer-maintenance requests, audit activity, and production issues. One of three founding UI engineers; now primary engineering owner.

- Led request-history API redesign, moving status mapping from React into a single backend layer (replacing logic duplicated across three call sites) for consistent request status across three banking channels and retiring the legacy history path.
- Cut engineering investigation requests by 80% by surfacing failure steps, approver IDs, and approval states in the UI so Product could trace requests and diagnose failures independently.
- Built a failed-request resubmission workflow that let Product recover 150+ stuck signer requests on their own, without engineering involvement.
- Migrated the full Tracker UI from Material UI to the firm's internal design system as sole developer, delivering by the deadline; resolved component incompatibilities and partnered with the design-system team to fix accessibility gaps.

NASA Jet Propulsion Laboratory | Cybersecurity Communications Intern *Sep 2020 – Mar 2021*

- Redesigned JPL's internal cybersecurity website in PHP, increasing site traffic by 30% over one month following a visual redesign and navigation overhaul to improve readability.

PROJECTS & AWARDS

Healf | AI Health Agent

Personal project, in daily use

- Built and deployed an always-on AI health assistant on DigitalOcean using Node.js, Docker, and SQLite, integrating Oura and Apple Health to deliver three personalized daily insights via private push notifications.
- Engineered OAuth-secured data pipelines with five-minute synchronization, workout deduplication, and persistent scheduling and retries.
- Added 28-day personal baselines, workout-history comparisons, and safeguards against LLM hallucination on incorrect data, passing compact structured inputs to the OpenAI Responses API to limit sensitive data exposure.

CreateSC Adobe Designathon - Top 8 Finalist & Crowd Favorite (47 teams) *University of Southern California, 2020*

EDUCATION

University of California, Riverside - B.S. Computer Science with Business Applications *Graduated March 2021*

SKILLS

Languages & Frameworks: TypeScript, JavaScript, Java, SQL, React, Spring Boot, Node.js
Backend & Infrastructure: Kafka, Microservices, Distributed Tracing, Kubernetes, Docker, Jenkins (CI/CD), OAuth
AI & Engineering: Model Context Protocol (MCP), AI Agents, Tool Integration, Context Engineering, OpenAI Responses API