

MYLO JAMES

SOFTWARE ENGINEER | FULL-STACK, BACKEND & PLATFORM

Chicago, IL | mylo.james114@gmail.com

mjames.dev | github.com/mylo-james | linkedin.com/in/myloj

SUMMARY

Software engineer with nearly five years of professional experience building and modernizing production systems across financial services, healthcare, retail, and logistics. Core-team contributor across 20+ repositories, with hands-on depth in TypeScript and Node.js APIs, React, AWS Lambda, relational databases, Salesforce integrations, automated testing, and cross-system debugging. Known for owning work from architecture and implementation through validation, documentation, code review, rollout, and production support.

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, Python, C#, PHP, SQL, HTML, CSS

Frontend: React, Next.js, Vue.js, Redux, responsive design, web accessibility

Backend and APIs: Node.js, NestJS, FastAPI, AWS Lambda, Serverless Framework, REST, JSON:API, OpenAPI

Data and integrations: PostgreSQL, SQL Server, SQLite, MikroORM, SQLAlchemy, Salesforce, webhooks

Quality and delivery: Jest, Playwright, test-driven development, Git, GitHub Actions, CI/CD, Docker, infrastructure as code

Security and reliability: OAuth 2.0, JWT, SSO, CSRF, HMAC, structured logging, OpenTelemetry, Prometheus, Jaeger

PROFESSIONAL EXPERIENCE

Advisors Excel (via Turnberry Solutions)

Feb 2026 - Present

Software Engineer, Core Team | Financial services technology

- Serve on the core engineering team across 20+ repositories spanning legacy React and Redux applications, PHP services, TypeScript and Node.js APIs, shared libraries, and developer tooling; trace behavior end to end across UI, authorization, persistence, Salesforce, and deployment configuration.
- Created a serverless TypeScript API foundation on AWS Lambda and the Serverless Framework with configuration, health checks, security integration, automated tests, GitHub Actions, OpenAPI documentation, and repeatable local demonstrations.
- Designed REST and JSON:API resources plus shared-library capabilities for validation, filtering, pagination, relationships, soft deletion, and structured errors; implemented allowlisted queries and security-filter preservation across PostgreSQL, SQL Server, and MikroORM.
- Modernized Salesforce integrations by correcting model mappings, record-type routing, and picklist validation; migrated authentication to OAuth 2.0 client credentials, upgraded the client library, and audited downstream compatibility and rollout risk.
- Resolved production defects across React and Redux interfaces, APIs, persistence, Salesforce, and notifications; improved accessibility with valid element IDs and ARIA relationships, then added Jest and Playwright regression coverage using semantic selectors.
- Drive cross-repository modernization by mapping a large PHP application into Node.js service boundaries, coordinating Node.js and Serverless upgrades, and reviewing changes for authorization, serialization, dependency, runtime, and migration risk.
- Use AI coding tools for repository analysis, implementation, refactoring, testing, and documentation while owning every change; validate output through local reproduction, builds, linting, automated tests, packaging, runtime checks, and API verification.

WiseTech Global

Feb 2024 - Jul 2025

Associate Software Engineer | Schaumburg, IL

- Delivered end-to-end logistics features across Vue 3 and TypeScript interfaces and C# REST services, adding endpoint methods and metadata attributes for operator workflows.
- Translated Figma designs into accessible, responsive interfaces and validated edge cases with product, QA, backend engineers, and logistics domain experts.
- Modernized an internal legacy UI-generation platform by resolving transformation defects that broke builds, then reviewed pull requests and shipped fixes in a frequent release cadence.

PROFESSIONAL EXPERIENCE (CONTINUED)

Branding Brand, client CVS Health

Nov 2021 - Jul 2023

Software Engineer and Development Manager | Remote

- Modernized CVS.com account and sign-in experiences from Angular to Next.js and React while preserving behavior across production traffic and replacing core page architecture.
- Built Digital ID account-linking and identity-verification flows across retail and healthcare systems, including patient lookup, one-time password verification, consent capture, and LexisNexis fallback.
- Implemented Epic MyChart single sign-on using JWT handoff and date-of-birth verification; supported staged rollout from 5% to 100% of traffic and debugged production cookie and session defects.
- Partnered with design, product, backend, and client stakeholders to document API contracts, clarify tradeoffs, and reduce integration ambiguity.
- Led six engineers as Development Manager through mentoring, one-on-ones, code review, delivery planning, and day-to-day technical unblockers.

App Academy

Aug 2020 - Nov 2021

Software Engineering Instructor | Remote

- Taught full-stack web development in live remote classes and coached students on debugging, code review, automated testing, and Git workflows.
- Built internal progress-tracking automation that reduced manual reporting and gave instructors faster visibility into learner support needs.
- Mentored early-career engineers through pair programming, structured feedback, project reviews, and full-stack delivery.

SELECTED ENGINEERING PROJECTS

Isntgram AI | Full-stack social platform | *Next.js, React, TypeScript, NestJS, PostgreSQL*

Live: isntgram.mjames.dev | Code: github.com/mylo-james/isntgram-ai

- Built and deployed a consumer-facing platform with Next.js App Router, React, TypeScript, a NestJS API, PostgreSQL, and S3-compatible media uploads.
- Designed a backend-for-frontend authentication boundary that keeps API JWTs server-side in encrypted Auth.js cookies, with CSRF protection and strict origin checks.
- Generated shared TypeScript clients from the OpenAPI contract and added cursor pagination, rate limits, Playwright tests, structured logs, Prometheus metrics, health endpoints, and architecture decision records.

MyloWare | Durable AI workflow orchestration | *Python, FastAPI, LangGraph, PostgreSQL, OpenTelemetry*

Live: myloware.mjames.dev | Code: github.com/mylo-james/MyloWare

- Built and deployed a tool-driven workflow platform with a FastAPI API, PostgreSQL, a database-backed queue, checkpointing, worker execution, and explicit human approval gates.
- Secured webhook integrations with HMAC verification and database row locks, and added fail-closed safety checks for model-driven actions.
- Instrumented operations with request IDs, structured logs, OpenTelemetry traces to Jaeger, health endpoints, architecture decision records, and an automated test suite.

EDUCATION

App Academy | Software Engineering Bootcamp, 2020

Chadron State College | Bachelor of Science, Applied Music, 2016