Ghaly Nicolas Jules

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SUMMARY

AI Software Engineer with a full-stack foundation in TypeScript, React, Next.js, Python and AWS. Experience building LLM applications end to end, including a tool-calling agent over SQL and graph databases and a deployed multi-user web app, and testing them with evals against hand-written answers.

SKILLS

Languages: TypeScript, Python, SQL, HTML/CSS

Frameworks: Next.js, Vue.js, Node.js, Tailwind CSS

AI / LLM: LLM evaluation, tool-calling agents (Pydantic AI), Anthropic / OpenAI APIs, Claude Code

Tools: Git, GitHub Actions (CI/CD), PostgreSQL (dbt), Neo4j (Cypher), AWS

EXPERIENCE

Software Engineering Consultant — Cyrano | **TypeScript · React · Fastify · Firebase** Sep 2026 – Present

- Set up GitHub and CI for the company's first app, a TypeScript monorepo (React, Fastify, Firebase): pull requests to a protected main branch must pass typecheck, lint, emulator-backed tests, build and a Playwright smoke test
- Designed a spec-driven workflow the founder now uses to build app features, packaged as agent skills that work in any AI coding tool

Software Engineer — B-Line Express | **Vue.js · JavaScript · ColdFusion · Google PaLM** May 2023 – Aug 2023

- Integrated Google PaLM generative AI into a production email platform, letting 5+ non-profit clients auto-draft campaign content
- Built UI and backend features for a mass-emailing SaaS product, including a template system that let clients launch branded campaigns on their own

Software Engineer, Enterprise Data Management — Moody's Analytics | **Python · AWS Athena** June 2022 – Aug 2022

- Collaborated in a Scrum environment with designers and backend developers to translate client requirements into technical specifications
- Queried and analyzed large-scale datasets in AWS Athena to design QA dashboards used to validate data integrity before client delivery
- Maintained an ESG data product on AWS and Python, documenting its scripts with guides and process-flow diagrams that gave business users a self-service reference

Software Developer — GAMMA Research Group, Georgia Institute of Technology (Atlanta, GA) | **React · Firebase** Jan 2021 – May 2022

- Took over frontend development on a Bluetooth Low Energy IoT platform used across the research group to monitor voltage, temperature and power on electrical grid equipment and detect failures
- Built React features on a Firebase backend, including live device data streams, multi-metric monitoring views, and one-click spreadsheet export of sorted data

PROJECTS

OrgOS | **Python · Pydantic AI · Claude API · dbt · PostgreSQL · Neo4j** | github.com/ghalynho10/OrgOS Oct 2026 – Present

An eval harness testing whether an LLM agent answers Jira questions better from SQL tables or a Neo4j graph

- Built a Pydantic AI agent that answers by citing its stored query results, through one read-only tool per store with a deny list and row cap
- Wrote an eval harness that scores every run on both the answer and its cited evidence against frozen answers, across 360 runs
- Loaded 87,839 Jira documents into Postgres and Neo4j with dlt and dbt; all 465,250 graph records matched SQL value by value
- Iterated the agent from logged run failures; version 2 got both the answer and the cited evidence right in 52 of 60 runs per store

JobHunt | **Next.js · TypeScript · Supabase · OpenAI API** | github.com/ghalynho10/JobHunt | usejobhunt.dev Aug 2026 – Sep 2026

A deployed, multi-user job search platform that scores how well each posting matches a user's skills

- Implemented OAuth sign-in, real-time search against the Adzuna API, and application tracking, backed by a Postgres schema with row-level security on every table
- Set up CI/CD in GitHub Actions that blocks merges until lint, type checks and tests pass, and applies schema migrations on merge
- Ran rollback and alerting drills, and verified the usage cap holds at exactly 5 under 15 concurrent accounts
- Added a cross-vendor check where Gemini removes any skill the OpenAI scorer claims that isn't in the listing; a live probe flagged an injected skill (COBOL)

ADDITIONAL EXPERIENCE

Assistant General Manager — LA Fitness Mar 2025 – July 2026

Sales Associate — T-Mobile (GP Mobile) June 2024 – Aug 2024

EDUCATION

Master of Science in Computer Engineering — Georgia Institute of Technology Dec 2022

Bachelor of Science in Computer Science — ESIH, Port-au-Prince, Haiti Aug 2019