

Kashawn Brown

Toronto, ON | kashawnbrown@hotmail.com | (905) 550-0732 | [LinkedIn](#) | [GitHub](#) | [Portfolio](#)

PROFESSIONAL SUMMARY

Full-stack software developer with a backend-leaning profile in **TypeScript/Node.js** and **Java/Spring Boot**. Solo-shipped **Career-Tracker**, a **production SaaS** with a 5-tool AI suite, plan/credit entitlements, admin analytics, and **GCP** infrastructure; built **PASS**, an agentic **AI** workflow tool with deterministic orchestration and **LLM** observability. Strong in security-driven development (**JWT**, **OAuth2/PKCE**, **CSRF**), integration testing, and cloud-native **API design**. Seeking Software Engineer roles focused on backend systems, APIs, and reliability.

TECHNICAL SKILLS

Languages: TypeScript, Java, JavaScript, Python, Go, SQL

Backend: Spring Boot, Fastify, Express, Node.js, REST APIs, JWT, OAuth2, Prisma, Zod

Frontend: React, Next.js, Tailwind CSS, HTML, CSS

Cloud/DevOps: Docker, GitHub Actions, CI/CD, GCP, AWS, Kubernetes (*basics*)

Databases: PostgreSQL, Redis, MongoDB, MySQL, Firebase

Testing/Quality: Vitest, JUnit, Mockito, Postman, Swagger/OpenAPI, k6

PROJECTS

Career-Tracker.ca | *TypeScript, Fastify, Next.js, OpenAI API, PostgreSQL, GCP*

April 2026

- Solo-shipped a production SaaS job application tracker used by **~20 active users**: Fastify REST API with TypeBox schemas, PostgreSQL (Prisma ORM), and a Next.js App Router frontend with table-first UX.
- Built a **5-tool AI suite** using the **OpenAI API** with strict JSON-schema outputs and server-side validation; designed a monthly **credit entitlement system** with tool-specific consumption rates, deducted only on successful runs.
- Implemented defense-in-depth auth: **JWT** access tokens + rotating hashed refresh sessions (httpOnly cookies), **CSRF protection**, **Google OAuth with PKCE**, and **Redis rate limiting** (Upstash) on sensitive endpoints.
- Instrumented AI runs as structured events with timing, token usage, estimated cost, and error categorization; Built an **admin analytics dashboard** (AI usage by tool/plan/status) to measure actual usage and output value.
- Wrote Vitest integration tests across 12 modules using Fastify `app.inject()`; deployed to **Cloud Run** via Cloud Build **CI/CD** with Secret Manager; load tested with k6 sustaining **44–47 req/s**, **0% failures**, and **sub-30ms p95 latency**.

PASS | (Wealthsimple AI Builder) | *TypeScript, Next.js, Fastify, GitHub Actions, Zod, Anthropic*

March 2026

- Built an agentic **PRD-to-architecture-to-decomposition** console with filesystem-backed run state and persisted artifacts, enabling reproducible and reviewable planning outputs.
- Implemented **deterministic orchestration** (state machine + gates + workflow dispatch) for workflow-run agents (planner/refinement/decomposition/approval/issue sync), executed via **GitHub Actions** and surfaced in a dashboard.
- Added human-in-the-loop approval before syncing AI-generated backlog to GitHub, to prevent noisy/mis-scoped writes.
- Shipped secure integrations using an **AES-256-GCM encrypted token store** with provider validation (GitHub/Vercel/Stripe) + LLM observability (token usage, redacted traces, cost estimates, budgets/rollups).

MicroFlix | *Java, Spring Boot, Eureka, Next.js, AWS*

November 2025

- Built independently deployable **Spring Boot microservices** with typed DTOs and Eureka-based **service discovery** to support isolated development and containerized releases.
- Implemented stateless **JWT** auth and standardized error handling to harden APIs and improve client-side reliability.
- Tuned PostgreSQL with targeted indexes validated via **EXPLAIN ANALYZE**, improving throughput from **~200** → **~550 req/s** at 20 concurrent users while maintaining **~300ms p95** latency.
- Containerized with **Docker**; GitHub Actions CI builds/tests/pushes versioned images; deployed to AWS EC2.

EXPERIENCE

AI Model Evaluator

Oct 2024 – Present

Outlier AI

Remote

- Evaluated AI responses against specs and scoring rubrics across correctness, safety, and helpfulness; documented scoring rationale and defects.
- Reviewed LLM-generated code and API solutions for correctness/maintainability; recommended fixes and performed preference ranking/adjudication ensuring consistent quality standards and alignment with project requirements.

Lead STEM Instructor & Camp Coordinator

June 2020 – Aug 2024

African Canadian Christian Network

- Created Java and intro to AI curricula to teach 120+ students programming/intro to AI across programs over 4 years; built demo apps, coordinated schedules and managed other instructors to deliver multi-camp sessions on time.

EDUCATION

University of Western Ontario – B.S. Computer Science

Graduated April 2023