

Ash Anand

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Toronto, Canada

PROFESSIONAL SUMMARY

Product-focused software engineer with **4+ years** shipping at scale, including 3.5 years at Sentry, a SaaS serving **200K+ organizations** and millions of developers worldwide. Led the MongoDB Insights launch (adopted by **1,500+ organizations**) on a Performance team that grew **\$35M+** in ARR, and authored an open-source Babel plugin with **11.4M+ weekly NPM downloads**. Now building AI-native products end-to-end – three full-stack products shipped alongside client automation work and frontier-model training for an AI research lab.

WORK EXPERIENCE

Independent Software Engineer

November 2025 – Present

AI Products & Client Automation

Toronto, Ontario

- Shipped three full-stack products end-to-end (see Projects), covering real-time multiplayer systems, AI agent orchestration, and a production SaaS with CI/CD and observability.
- Built and deployed workflow automation for SMB clients, including a chiropractic clinic where automated invoice generation and email flows eliminated **~7 hrs** of manual processing per week.
- Selected by a frontier AI research lab to design evaluation tasks for state-of-the-art coding models, assessing output on architecture and engineering judgment (under NDA).

Sentry

January 2022 – June 2025

Software Engineer

Toronto, Ontario

- Led development and launch of MongoDB support for the Insights Queries module – complex frontend dashboards, query viewers, and backend integrations; adopted by **1,500+ organizations** post-launch.
- Authored and maintained **@sentry/babel-plugin-component-annotate**, an open-source Babel plugin with **11.4M+ weekly NPM downloads**; led debugging sessions directly with customer engineers, including at Spotify, to diagnose integration issues and unblock production setups.
- Optimized the Trace Waterfall frontend with virtualization, improving Core Web Vitals on one of Sentry's highest-traffic views.
- Partnered directly with Product Management to instrument Amplitude analytics across the Performance product – tracking user journeys, building charts and dashboards, and surfacing usage insights that informed roadmap decisions.
- Wrote technical documentation alongside shipping: public Sentry docs, internal Notion DACIs and project knowledge bases, and staged-rollout docs that captured bugs early.
- Mentored junior engineers via PR reviews, pair programming, and knowledge transfer.

Agriculture and Agri-Food Canada

September 2020 – May 2021

Software Developer (Contract)

Ottawa, Ontario

- Built custom React components and workflow automation tools for an internal SharePoint platform used by 80+ team members.
- Created custom admin tools to purge outdated files, reducing storage usage by 20%.

PROJECTS

TerminalStory - Real-Time Multiplayer Online Game in the Terminal

Fully playable shared-world MMORPG that runs in any terminal with no install or signup – play instantly by typing **bunx terminal-mmo**. Authored the authoritative game server: world simulation, combat, enemy AI, XP/loot, zones, and live chat, streamed to all players over WebSockets with real-time state sync.

TypeScript, Bun, WebSockets, OpenTUI, Railway | github.com/OCalories/terminal-mmo

Testbuds - Synthetic User Testing with AI Agents

AI agents that roleplay as customer personas while using your product, with a real-time view of them clicking, thinking, and reacting like real users. Built the agent loop on vision plus accessibility-tree browsing (Stagehand/Playwright) with live session streaming over WebSockets and rrweb, giving early-stage product owners rich user-like feedback for rapid prototype validation.

Next.js, React 19, TypeScript, Stagehand, Playwright, rrweb | github.com/OCalories/testbuds

Hibana - Gamified Productivity Platform

Habit-tracking app where completing habits earns an in-app currency redeemable for rewards, with a game economy and UX designed around behavioral psychology research. Production-grade engineering: full CI/CD pipeline with lint and Playwright E2E tests, plus full-stack observability with Sentry, built with an AI-native workflow to maximize velocity without sacrificing quality.

Next.js, React 19, TypeScript, Supabase, Tailwind v4, Vercel AI SDK | gethibana.com | github.com/OCalories/hibana

SKILLS

Languages: TypeScript, JavaScript (ES6+), Python

Frontend: React, Next.js, TanStack Query, Redux, Zustand, HTML, CSS, Tailwind, Shadcn, Figma, i18n, a11y

Backend: Node.js, Express, Django, PostgreSQL, MongoDB, Supabase, REST APIs

Tooling & Infra: Vite, Webpack, Babel, Bun, Jest, Vitest, React Testing Library, Playwright, GitHub Actions, CI/CD, Docker, Google Cloud Platform, Vercel, Sentry, Amplitude, Web Vitals

AI: Agentic AI workflows (Claude Code, MCP), Vercel AI SDK, Anthropic & OpenAI APIs

Practices: Code Reviews, Pair Programming, Architectural Reviews, Mentorship

EDUCATION

University of Ottawa – BASc, Software Engineering

2015 – 2019

LANGUAGES

English: Native / Fluent

Japanese: Conversational (N3 Equivalent)