

Bryce Cole

AI Product Engineer

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SUMMARY

AI product engineer building browser-native intelligence, agentic automation, large-scale data pipelines, and LLM-backed product workflows. Current work focuses on turning live page context into useful AI surfaces for cross-platform browsing.

SKILLS

- AI product engineering: LLM workflows, page-content understanding, summarization, ranking, feed generation, prompt design, evaluation
- Platforms: Chromium-based browser work, iOS, Android, SwiftUI, React, Next.js, Vinext, Cloudflare Workers
- Backend and data: Python, Node.js, SQLAlchemy, scraping, API integrations, distributed job pipelines, observability

EXPERIENCE

Software Engineer, Browser AI, Yahoo

Apr 2026 - Present

- Building AI features for a cross-platform browser across Chromium-based surfaces, iOS, and Android, with ownership of page-content understanding and personalized daily feed creation.
- Turn browser context into product features: extract signals from active pages, shape model-backed summaries and recommendations, and make AI feel native inside everyday browsing flows.
- Work across product, platform, and model behavior so AI features remain useful, reliable, and grounded in the content a person is actually reading.

AI Code Evaluator, Labelbox and Anthropic

Dec 2025 - Apr 2026

- Reviewed and improved multi-file code changes generated by Claude across real repositories, including feature work and bug fixes in established open-source codebases.
- Contributed to coding-model quality through RLHF-style evaluation, fine-tuning feedback, and synthetic data generation across Python and Rust tasks.

Backend Software Engineer, Simplify

Mar 2025 - Oct 2025

- Maintained and improved an AI parsing pipeline processing 50K to 60K job postings daily, refining prompt logic and type validation to reduce hallucination-driven data errors.
- Built SEO-focused Next.js job pages and fixed SQLAlchemy n+1 issues, cutting response times from about 1.9s to 100-300ms while improving search discoverability.

Software Engineer Intern, BlackRock

Jun 2025 - Aug 2025

- Built an automated KYC compliance system that searched SEC, DOL, FFIEC, NAIC, OpenCorporates, and other sources through multithreaded API, scraping, and agent workflows.
- Reduced manual compliance review from about 3 hours to 5 minutes with document retrieval, confidence scoring, and cited AI-assisted verification.

Software Engineer Intern, BlackRock

Jun 2024 - Aug 2024

- Built Angular components for an internal Aladdin research chatbot and used RxJS-driven streaming to preserve screen and widget context in responses.
- Reached 99% intent recognition accuracy for finance-specific queries with a custom NLP classification pipeline and multi-stage prompt routing.

SELECTED PROJECTS

Hermes Automation Layer: Local scheduled-agent stack for model routing, cron health, Telegram delivery, browser automation, and recovery checks across Mac and Raspberry Pi hosts.

TradingAgents Command Center: Market-research agent system that turns news, price signals, source checks, and model reasoning into concise trading recommendations and durable reports.

Personal Feed and Archive Agents: Systems for replacing generic feeds with source-backed daily summaries, dedupe, scoring, and long-range memory over scraped and user-curated context.