

Wyatt Walsh

SENIOR AI/ML ENGINEER

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AI/ML engineer building agentic AI, data platforms, and developer tooling for fintech and enterprise teams.

EXPERIENCE

Senior AI/ML Engineer

FRAME PAYMENTS · REMOTE · OCT 2025 - JAN 2026

- Deployed submission-time document-category validation using PydanticAI, Amazon Bedrock AgentCore, and Claude, surfaced as in-browser feedback for confidential uploads; reduced analyst follow-ups and resubmission requests ~90% by blocking miscategorized documents before they entered review queues.
- Built restricted-item compliance screening that combines product images with structured submission metadata; translated banking-partner policy requirements into automated checks supporting onboarding across tens of merchants, multi-location operations, and catalogs with hundreds of items per location.

Associate III, Senior Software Engineer — Data Integrations

JPMORGAN CHASE & CO. · NEW YORK, NY · MAY 2023 - APR 2025

- Pioneered firm-wide rollout of generative AI development tools (LLMs, GitHub Copilot, Codeium) as one of the first 500 engineers, delivering feedback that shaped secure, scalable deployment and leading internal workshops to boost productivity for technical and non-technical teams.
- Devised ML-driven anomaly detection framework for data health monitoring, reducing false positives by 25% and cutting manual review time, empowering risk teams to focus on critical alerts.

Senior Software Engineer

STEALTH WEB3 STARTUP · REMOTE · MAR 2022 - JUL 2022

- Architected a scalable NFT-collateralized lending DApp using React, Next.js, TypeScript, MobX, and ethers.js, enabling secure, performant on-chain loans.
 - Implemented end-to-end CI/CD with GitHub Actions, Husky, Cypress, and Jest to halve release cycles and raise test coverage to 90%, while mentoring a front-end intern to build key UI components.
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SKILLS

PROGRAMMING & SCRIPTING LANGUAGES: Python · SQL · TypeScript · JavaScript · Go · Bash

MACHINE LEARNING AND GEN AI: scikit-learn · Hugging Face Transformers · OpenAI API · LangChain · MCP (Model Context Protocol) · RAG · PydanticAI · Amazon Bedrock · Claude

DATA ENGINEERING AND ANALYTICS: Pandas · NumPy · SQLAlchemy · Pydantic · Apache Spark · Amazon Kinesis · KDB+ · PostgreSQL

CLOUD INFRASTRUCTURE AND DEVOPS: AWS · Docker · Kubernetes · GitHub Actions · Serverless Architecture · AWS Lambda · Google Cloud Functions · Vercel

PROJECTS

AI Agent Harness Configs

JAN 2026 - PRESENT · GITHUB

Cross-harness configs for Claude Code, GitHub Copilot, and related agents, packaging reusable instructions, tools, and skills.

- Built 40+ reusable instruction and skill packs plus shared harness configs that install across Claude Code, GitHub Copilot, Cursor, and related agent runtimes.

MCP-Crawl4AI

APR 2025 - PRESENT · GITHUB

FastMCP server wrapping Crawl4AI so AI agents can crawl and extract web content through four focused tools with LLM-friendly markdown, cleaned HTML, or plain-text output.

- Built a FastMCP v3 server with lifespan-managed headless Chromium, session-aware crawling workflows, and automatic Playwright browser setup—only 2 runtime dependencies.
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EDUCATION

Bachelor of Science

University of California, Berkeley – College of Engineering, Industrial Engineering & Operations Research

AUG 2014 - DEC 2020

High School Diploma

The Hotchkiss School

AUG 2012 - MAY 2014

CERTIFICATIONS: AWS Certified Cloud Practitioner · IBM Data Science Professional Certificate