

William Hubenschmidt, Senior Software Engineer | AI Engineer

34 N. 7th, Apt 4C, Brooklyn, NY, 11249 | whubenschmidt@gmail.com | 347-909-0064 | pinacolada.co | [linkedin](https://www.linkedin.com/in/whubenschmidt/) | [github](https://github.com/whubenschmidt)

Senior engineer who translates complex business requirements into elegant solutions. 10+ years contributing to cross-functional software teams, shipping cloud-native applications, integrating APIs, and developing agentic AI.

Skillset: Full-stack software engineering, AI engineering, LangGraph, LangFuse, OpenAI Agents SDK, Retrieval-augmented Generation (RAG), LLM observability, distributed tracing, TypeScript, Python, JavaScript, Node.js, React / Next.js, PHP/Laravel, Gradio, Microsoft Azure, Azure DevOps, Docker, SQL, Azure IoT Hub, CI-CD.

PinaColada.co – Principal Engineer (May 2025 – present), New York, NY

- Agentic artificial intelligence graphs and multi-modal LLM agents to solve business automation cases using Python, LangGraph, OpenAI Agents SDK, observability tracing, and Retrieval-augmented generation (RAG).
- Shipped [TuneCrook](#), a music discovery tool for DJs that integrates Discogs and YouTube to enable agentic AI to act as a curatorial assistant (RAG, React, Node.js, Postgres, Azure DevOps).

Cumulus Consulting, LLC – Lead Integration Engineer (Apr 2023 – Apr 2025), New York, NY

- Shipped [Helios](#), a multitenant B2B integration platform adopted by 5 enterprise manufacturers in year one; designed domain-driven micro-services and CI/CD (React, Node.js, MSSQL, Azure DevOps, Docker).
- Mentored team of developers; instituted TDD and code review, reducing customer-reported defects to zero.
- Developed full-stack integrations, application features, and custom solutions for manufacturers; gathered system requirements, developed architecture to integrate third-party APIs with Plex ERP.
- Implemented manufacturer quality management system using message queue in Node.js / React frontend.
- Achieved SOC2-ready security posture (Okta)—rolled out JWT bearer tokens for private APIs, signed consumer-key/secret pairs for public endpoints, and Auth0-based MFA for the React frontend.
- Architected IoT edge pipeline (Azure IoT Hub) that syncs on-prem PLC data with Plex in less than 2s.

Par-Tech Global Automotive Solutions – Software Engineer (Jun 2021 – Jan 2023), Detroit, MI

- Developed telematics features for EV fleets; full-stack software engineer and React frontend lead.
- Implemented API endpoints leveraging performant backend queries using Laravel/PHP.
- Improved application reliability; led efforts in defect resolution, reduced production defects to zero.
- Peer reviewed team members' code; provided detailed estimates of scope and feature specifications.

Contracted Software Developer (2019 – 2021), New York, NY

- Built CRM and price match functionality for Adorama, Inc., scraping 3000+ SKUs reducing data entry 90%.
- Developed e-commerce storefront and customer survey web application for Tame Your Wallet, Inc.

Web developer, CRM solution engineer for various NYC nonprofits (2011-2019), New York, NY

- IT, Salesforce, web development and fundraising roles with Amnesty International USA, Robert F. Kennedy Human Rights, Correctional Association of New York, and various advocacy organizations in NYC.

EDUCATION

Eastern Michigan University – B.A., Computer Science

Columbia University, School of Engineering – Certificate Computer Engineering

University of Michigan, Ann Arbor – B.A. American Culture, Music