William Hubenschmidt, Senior Software Engineer | AI Engineer

34 N. 7th, Apt 4C, Brooklyn, NY, 11249 | whubenschmidt@gmail.com | 347-909-0064 | pinacolada.co | linkedin | github

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, LangChain, LangGraph, LangFuse, OpenAI Agents SDK, RAG, LLM observability, Cursor, Claude Code, accelerated development workflows, 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 2019 – present)*, New York, NY

- Agentic artificial intelligence graphs and multi-modal LLM agents to enhance business automation using Python, LangChain, LangGraph, OpenAI Agents SDK, open-source observability tracing, and 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).
- 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.

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.

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