

HENRY EBOMAH

AI Engineer | Fullstack Developer | Software Engineer

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GitHub: <https://github.com/awesomething>

SUMMARY

Stanford-trained AI Engineer with 5 years building and shipping production LLM systems, RAG pipelines, and cloud-native apps at Accenture and venture-backed startups. Co-led an enterprise chat redesign using Azure vector search and OpenAI Agents SDK that increased engagement 40%. Thrives in ambiguity at the intersection of cutting-edge AI innovation and enterprise-scale delivery. Recognized by leadership for building world-class distributed event systems, MCP infrastructure, and real-time voice models from research to production. Combines rapid learning, a business owner mindset, and systems-level problem-solving to deliver scalable solutions that improve performance, reduce costs, and drive measurable impact.

TECHNICAL SKILLS

Advanced:

Python, Langchain, R.A.G, LLM, React.js

Intermediate:

Kubernetes, NoSQL, TypeScript, PyTorch, FastAPI, Pandas, MLOps, Neo4j, OpenAI Agents SDK, Azure

CAREER HIGHLIGHTS

Project Tech Lead | VideoBook.ai

- Led development of an AI career agent that reduced job-search effort by 25%.
- Designed high-level system architecture supporting an AI career agent using Next.js and TypeScript for the frontend and Python for backend integration.
- Trained a foundation voice model to produce in-house, production-ready synthetic voices.
- Built an end-to-end voice call feature enabling the system to call users upon resume upload and manage data flow into the platform's database.

PROFESSIONAL EXPERIENCE

Senior Software Engineer | Accenture Federal Services | Remote, CA

- Co-pioneered the redesign of the main LLM web chat, resulting in a 40% increase in user engagement using advanced Azure vector and hybrid search capabilities.
- Integrated OpenAI Agents SDK including streaming, handoffs, guardrails, and tool calling; moving fast in an environment where things are loosely defined and competing deadlines.
- Assisted in building Splunk and Weave dashboards for success, latency, and cost tracking by segment; partnered with stakeholders to define SLOs and key performance metrics.
- Contributed to research and development of MCP server infrastructure supporting bills management; implemented MCP tool-calling integration and asynchronous event processing.

Cofounder & CTO | ObserveYourFuture.com | Atlanta, GA

- Collaborated in a team of four to develop a high-quality WebRTC application using Next.js, TypeScript, AWS, and MongoDB.
- Managed integration of third-party services including Gemini for automated task handling and Cloudinary for file services.
- Developed a chatbot application enabling users to chat with course materials by indexing PDFs in Azure using Python.
- Led creation of the platform's technical architecture working closely with development team members.

Lead Coding Instructor | www.thrivedx.com | San Diego, CA

- Held office hours and assisted junior developers in debugging their MERN app, as they built their milestone projects, until it was launched.
- Led daily stand ups and performed rigorous code reviews for quality performance and attention to detail.
- Participated in the model development lifecycle architecture to create web applications.

EDUCATION & TRAINING

Artificial Intelligence Program | Stanford University | San Francisco, CA | 2024

- Integrated advanced modeling techniques and safety modules to enhance video quality and text-video alignment.
- Conducted experiments with diverse video and text datasets.
- Implemented safety modules to prevent generation of harmful or unethical content in text-to-video synthesis.
- Performed comparative analysis of baseline versus advanced models.
- Authored a research paper summarizing findings and contributing insights to text-to-video model development.

Software Engineering | Chegg's Thinkful | San Diego, CA | 2020

- Fullstack software development, industry-relevant curriculum.
- Created and deployed mobile-first apps with industry relevant languages and pair programming.
- Technical skills included JS and ES6, advanced frontend development, server-side programming like RESTful APIs with No SQL and Computer Science foundations.

Past BSc. Degree, International Relations (2009) transcript available upon request.

CERTIFICATIONS & COURSEWORK

Chegg Skills

<https://www.chegg.com/skills/thinkful-is-now-chegg-skills/>

Simplilearn

<https://success.simplilearn.com/07d640e5-46df-4ef5-a9e9-3b06b73e792d#acc.KhvX69cr>

DeepLearning.AI (Coursera)

<https://coursera.org/share/c42284a982cc2013f86df2cd7f99558>

Course Topics Completed Include:

- Supervised Machine Learning: Regression and Classification
- Unsupervised Learning
- Recommenders
- Reinforcement Learning