Join Our Team!

Open Position: Full-Stack Engineer (AI/Agentic/Event-Driven)

At Holmes Corporation (HC), we are a team of innovators focused on achieving **our mission: to help professionals advance in their careers.** And our culture is the cornerstone of our identity and success. We believe that who we are – as a team, as individuals, as leaders, family members, and community members- centers us, empowers us, and drives inclusion to deliver growth and impact. It's the reason so many employees have dedicated decades of their career to HC. We set ambitious goals, and we make it fun to work together to achieve them.

Vision: to be a leading learning, engagement, and growth partner worldwide, leveraging our innovative technology and services to transform certification and professional development programs, elevate member engagement, and foster workforce advancement.

Values: HC is a human-centric company focused on driving growth and impact for our organization, our partners, and the many learners that engage with our products and services around the world. Through fearless exploration and empowerment of our team, we will deliver innovative learning and engagement solutions and are accountable for delivering results.

Position Summary

We're looking for an experienced **Full-Stack Developer** to help evolve our event-driven learning platform — the system behind our digital training and certification products. Our architecture emphasizes **real-time communication, modular services, and adaptability** across front-end frameworks.
You'll design, implement, and extend core platform services that power interactive, AI-enhanced educational experiences. The ideal candidate is a pragmatic engineer with strong fundamentals, a passion for scalability and maintainability, and a desire to build intelligent, responsive applications that make learning dynamic and human-centered.

What You'll Accomplish

You'll join a small, agile team of developers building sophisticated web apps that help people advance their skills and careers. Working closely with our architect and senior engineers, you'll design event-driven APIs, orchestrate real-time interactions, and integrate emerging AI capabilities into our stack — while mentoring others and shaping our engineering standards.

What You'll Do:

- Develop and maintain **scalable, event-driven web applications** and backend services built primarily on **WebSocket and asynchronous messaging patterns**.
- Translate complex learning workflows into elegant, maintainable systems that react in real time.

- Collaborate on architectural decisions that keep our backend **framework-agnostic and front-end flexible**.

- Integrate and orchestrate **AI-assisted workflows** using frameworks like LangChain, Semantic Kernel, or Autogen (experience helpful, not required).

- Prototype intelligent interfaces and adaptive learning tools powered by retrieval-augmented generation (RAG) and contextual memory.

- Contribute to CI/CD workflows and **container orchestration, observability, performance tuning, and fault-tolerance** as needed.

- Review, test, and document code, mentoring peers on event-driven and AI-augmented development practices.

- Continuously evaluate and adopt tools that improve our velocity, maintainability, and developer experience.

What You'll Bring:

- Strong professional experience with **Python** (FastAPI, Starlette, or Django).

- Deep understanding of **asynchronous programming**, concurrency, and **event-driven architectures**.

- Proficiency in **JavaScript / TypeScript**, with experience in at least one major component framework (React, Dojo (v7+), Next.js, Vue, or similar).

- Familiarity with **real-time communication systems** — WebSocket, pub/sub, message queues, or streaming APIs.

- Solid experience with **Postgres** (schema design, JSONB, indexing, query optimization); familiarity with **pgvector** or similar libraries a plus.

- Experience with **containerization (Docker)** and familiarity with orchestration tools (Kubernetes or Swarm).

- Comfort with **AI-assisted development tools** (Copilot, Cursor, Continue) and curiosity about autonomous or agentic systems.

- Knowledge of **monitoring, observability, and telemetry** using Grafana, Sentry, or OpenTelemetry.

- Strong problem-solving, estimation, and communication skills — able to translate technical challenges for cross-functional partners.

Bonus Experience:

- Designing **real-time collaboration or data-streaming applications**.

- Integrating **LLMs and AI APIs** (OpenAI, Anthropic, Gemini, Mistral, HuggingFace).

- Experience with **vector search and retrieval frameworks** (Pinecone, Weaviate, pgvector).

- Background in **learning technology integrations** (LTI, SCORM, xAPI, Caliper).

- Building **SDKs, plugins, or extensible API layers** that support multiple client frameworks.

Benefits You'll Receive:

At HC we are committed to a culture where every employee is valued equally, and everyone feels like an integral part of a supportive and connected team. Our commitment to our values starts with providing benefits that allow our employees to care for themselves, support their families, and give back to their community. Join HC, and you'll receive:

- A competitive compensation plan with opportunity for advancement

- Opportunities for professional growth and development

- Flexible paid time off and company holidays

- Medical, dental and vision insurance

- 401(K) contributions with company matching program

- Year-round charitable donations gift matching program

- Flexible work environment

- Opportunities to participate in company-wide volunteer events, employee appreciation activities, and celebratory events

HC is proud to be named one of the Top 200 Workplaces by Star Tribune in 2018, 2019, 2021, and 2023. It's a testament to the dedication we have to our employees' well-being and job satisfaction.

Ready to Make a Difference?

Interested candidates should submit their resume and cover letter to *softwarejobs@holmescorp.com* - please include *Full-stack Developer* in the subject line.

Salary Range: $125,000 ~ $150,000

Holmes Corporation is an Equal Opportunity Employer. We celebrate diversity and are committed to creating an inclusive environment for all employees. All qualified applicants will receive consideration for employment without regard to race, color, religion, gender, gender identity or expression, sexual orientation, national origin, genetics, disability, age, or veteran status.