

Alex Rivers

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Summary

Python Developer with extensive experience in architecting distributed systems using FastAPI. Proven track record in leading engineering teams and delivering high-performance web applications. Skilled in developing real-time AI interaction components with a focus on accuracy and efficiency.

Strategic Skills

- **FastAPI:** Expertise in building scalable web applications and APIs.

Professional Experience

- **Senior Software Engineer at Quantum Dynamics:** Architected a distributed career ledger system using FastAPI, implementing zero-hallucination guardrails for automated document synthesis. Led a team of 5 engineers to deliver the v2 neural refinement engine, leveraging technologies like Python, FastAPI, Docker, and GCP to achieve project goals.

Technical Projects

- **NeuralNexus Chat Interface:** Developed a high-performance React chat component for real-time AI interactions, featuring LaTeX syntax highlighting and Fact-Checked synthesis. Utilized technologies such as React, Tailwind, Monaco Editor, and Socket.io to enhance user experience and interaction capabilities.