

# Alex Rivers

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## Summary

Senior Software Engineer with a strong background in architecting distributed systems and leading engineering teams. Proven expertise in developing high-performance applications and implementing advanced guardrails for automated processes.

## Strategic Skills

## Professional Experience

- **Senior Software Engineer at Quantum Dynamics:** Architected a distributed career ledger system using FastAPI, enhancing system reliability and performance. Implemented zero-hallucination guardrails for automated document synthesis, ensuring data accuracy and integrity. Led a team of 5 engineers to successfully deliver the v2 neural refinement engine, optimizing processing efficiency. Utilized technologies including Python, FastAPI, Docker, and GCP.

## 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.