

# DANIEL KIMBALL

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## EXPERIENCE

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### Full Stack Software Engineer

Jori Health

Apr 2024 – Present, Remote

- Co-developed **Farsight**, a multi-agent clinical co-pilot built with **LangGraph**, enabling dynamic collaboration between LLM agents to assist oncologists with treatment planning.
- Designed and deployed a RAG (Retrieval-Augmented Generation) system using OpenAI embeddings and a vector database, surfacing research-backed insights from PubMed and ClinicalTrials.gov.
- Built a real-time collaborative dashboard using Next.js, React, and Firebase, providing oncology teams with up-to-date case data and decision support tools.
- Implemented role-based access controls (RBAC) and audit logging to ensure HIPAA compliance, improving trust and data security across hospital clients.
- Collaborated closely with clinicians and ML researchers to translate complex workflows into scalable product features, boosting physician adoption by **30%** within 6 months.

### Full Stack Software Engineer

Meta (*Facebook, Instagram*)

May 2021 – Apr 2024, Remote

- Designed and launched the **Elastic Compute Interface**, contributing **\$50 – 60 million** in savings as part of Meta's broader **\$1.2B Efficiency Program**.
- Led the development of the Resource Management Platform, a critical tool used by Meta Executives, including the **Director of Infrastructure**, for quarterly budget and resource allocation decisions.
- Optimized large-scale data pipelines processing **~2TB/day**, improving query response times by **10x**, enhancing data efficiency across infrastructure teams.
- Promoted to Mid-Level Software Engineer within one year, earning **Redefined Expectations** rating (Top **~2%** of employees).
- Developed high-scale compute optimization tooling, reducing server waste by **30%** and improving infrastructure efficiency across teams.
- Engineered a high-throughput API gateway, handling millions of daily requests with a **35%** latency reduction via intelligent caching and load balancing.

## PROJECTS

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### AI-Powered Code Revision UI for Next.js Chatbot

- Developed an in-line diff viewer to visualize AI-generated code revisions in real time, improving transparency and usability for developers.
- Optimized AI-assisted coding workflows by enhancing the Next.js AI Chatbot's co-development experience, streamlining iterative development.

## SKILLS

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**Languages:** TypeScript, JavaScript, Python, PHP, Java, C++, C, Rust, Go, Bash, SQL

**Frontend:** React.js, Next.js, TailwindCSS, Redux, GraphQL, Relay, Webpack, Lighthouse, HTML5, CSS

**Backend:** Node.js, Express.js, Django, WebSockets, Ruby on Rails, Kafka

**Databases:** PostgreSQL, MongoDB, Redis, Firebase, DynamoDB, MySQL, Elasticsearch

**Deployment:** Vercel, Netlify, AWS, Azure, Google Cloud, Docker, Kubernetes, Terraform, CI/CD

## EDUCATION

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Bachelor of Science | Computer Science | Stevens Institute of Technology | 2021 | 3.9 GPA