

# Chris Meyer

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## Experience

### Principal Software Engineer - 2U, Inc. *Remote September 2022-Present*

2U Inc. provides the online learning platform for several higher ed degree programs including Harvard, Yale, and UC Berkeley.

- Lead engineer and architect for the AI services team, using AWS Step Functions written in Python to store vectorized data, and an API Gateway for client interaction.
- Technical lead for an academic data ingestion and enrollment data storage system written in Typescript, Postgres, hosted on serverless infrastructure (AWS Lambda, SQS, and SNS).
- Mentored, code reviewed, and paired with junior team members to improve their understanding of systems.

### Senior Software Engineer - 2U, Inc. *Remote August 2021-September 2022*

- Developed a real-time drawing and markup platform for instructors to give feedback on student submissions, including documents, images, videos, and audio files.
- Created several significant technical documents, ADRs, DB diagrams, and API documentation.

### Senior Software Engineer - Applied Medical *Remote June 2021-August 2021*

Worked as a full stack developer with doctors to provide a learning management system to facilitate residency programs and deliver course content that helps train doctors for surgeries.

- Created a video recording and submission service for residents to upload and grade medical exercises.
- Acted as a direct report for a junior developer, provided mentorship, goal setting and career development guidance.
- Provided technical leadership and a bastion of knowledge for Vue+Spring and the Applied Medical LMS.

### Software Engineer II - Applied Medical *Remote October 2020-June 2021*

- Improved deployment pipeline as well as overall product stability by implementing CI/CD via Gitlab runners.
- Spearheaded refactoring of backend testing suite and automated reusable test tooling.
- Created a course enrollment, scheduling and notification system for residents and faculty

### Junior Software Engineer - Applied Medical *Irvine, CA November 2019-October 2020*

- Worked with UI/UX team to create a design system to build robust features & interfaces in Vue.
- Setup database versioning control tool Flyway for SQL migration scripts in Spring Boot.

## Projects

### FeyNote <https://feynote.com>

A Dungeons and Dragons oriented note taking tool that integrates both real time collaboration and AI to provide an interactive editing experience.

- Uses Nx to manage monorepo, React and Ionic for the frontend, Prisma ORM with PostgreSQL, and tRPC for the API.
- The Editor uses Tiptap with custom plugins, Hocuspocus with Y.js for CRDT (collaboration and syncing between user's browsers).
- Conversations are facilitated using OpenAI via http streaming, and uses Typesense as a vector-based search for document lookup

## Skills & Education

**Languages, Frameworks, libraries:** JavaScript, TypeScript, React, Python, Java, Express, NestJS

**Other technologies:** Kubernetes, Helm, Docker, GraphQL, Linux + Shell, Puppeteer, SQL+NoSQL databases

**Education:** Bachelor's degree in Computer Science from California State University Long Beach.