

Louis Leon

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Full-Stack Software Developer

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<https://github.com/Louis-C-Leon>
<https://louis-c-leon.github.io/portfolio/>

Skills

Frontend - TypeScript/JavaScript, React, React Native, HTML, CSS, WebPack, Babel, Apollo & GraphQL Tools, OAuth 2.0, WebSockets

Backend - Node, Express, Nest, Serverless, SQL, MongoDB, AWS (Lambda, ECS, S3, CloudFormation, CloudWatch, DynamoDB)

Other - Pair programming, collaborative code review, systems diagramming, agile framework, feature design, documentation

Work Experience

Software Developer - Robin Healthcare, Berkeley CA

January 2021 - March 2023

- Developed a clinical note templating feature to accommodate hundreds of doctors' individual preferences and enable a customer-focused scribing service. Added backend logic and data models to our Nest.js GraphQL API and built multiple views for admins and users with React. Scoped data so that users saw templates based on their work assignments. Later ported the frontend to the Slate.js editor framework to enable new features while ensuring backwards compatibility with existing data.
- Built a live search tool used daily by our 150+ scribes to find accurate medical codes for doctors, increasing coding accuracy and reducing insurance payment denials. This was a React frontend powered by a third-party medical vocabulary API, featuring live results and a contextual form to refine the accuracy of the selected result. Worked with the API vendor to ensure compliance.
- Worked as one of 3-4 main developers for our admin portal, used internally across Robin to view and manage our business APIs and data. Helped implement and document patterns to generate forms from GraphQL introspection results and integrate custom business logic into default forms, while supporting a required legacy framework. Added multiple views and features, allowing admins to manage encrypted login credentials, contextual input suggestions for our scribing app, and more.
- Contributed to building our internal Nest.js GraphQL API used by over 10 services and frontend apps. Tasks included adding functionality to our data authorization service, adding custom scalar types and data validation, and exploring patterns for integration testing, as well as regular maintenance, bugfixes, and automated testing.

Software Developer - Riva Negotiations, San Mateo CA

June 2019 - August 2020

- Worked with a small team to build a cost-efficient REST API using serverless patterns in AWS (Lambda, API Gateway, Cloudformation, and etc.)
- Researched and built a live chat between Riva's user-facing React app and a third-party CRM, using GraphQL subscriptions and WebSockets with AWS AppSync.
- Implemented Riva's payment system using Stripe. Integrated frontend components, secure external APIs, and business requirements for recurring payments and custom subscription plans.

Education

App Academy - Full-Stack Engineering Certificate

Jan 2019 - Mar 2019

- Immersive in-person full-stack development course covering topics including MVC frameworks, test-driven development, pair programming, algorithms and data structures, scalability, OOP, and programming best practices.

University of Texas at Austin - BA Philosophy, Mathematics minor

Sept 2012 - Aug 2018

- Relevant Coursework: Elements of Computers and Programming, Software Design, Introductory and Intermediate Symbolic Logic, Discrete Mathematics

Personal Projects

SympleSynth - <https://github.com/Louis-C-Leon/SympleSynth>

2019

- Virtual keyboard synthesizer built with JS/HTML/CSS using Web Audio, transpiled and bundled using Webpack and Babel. Features live waveform/frequency visualization with HTML Canvas and saving user sounds using localStorage.

MyPhotoJourney - <https://github.com/MasonChinkin/MyPhotoJourney>

2019

- Full-stack social/travel app built with MongoDB/Mongoose, Node.js with Express, React/Redux, D3.js, and AWS S3. Featured an interactive world map that uses location metadata from uploaded pictures to create a shareable "photo journey".

SoundCrowd - <https://github.com/Louis-C-Leon/Soundcloud-FSP>

2019

- App Academy capstone project: full-stack "clone" of SoundCloud built with React/Redux, Rails, PostgreSQL AWS S3. Featured user uploads, consistent audio playback while navigating, and custom CSS designed to replicate SoundCloud.