Liam Duffy

liamdanielduffy@gmail.com — (347) 891-3267

linkedin.com/in/liamdanielduffy

Education

University of Southern California
B.S. Computer Science, 2017

Professional Experience

Senior Software Engineer, Seso Labor   NYC — *September 2024 - Present*

- Led the redesign of payroll processing architecture to handle long-running calculations asynchronously. This architectural shift allowed us to process significantly larger and more complex payrolls for enterprise customers.

- Designed and developed a new crop and subdivision management system, allowing large agricultural enterprises to precisely track labor costs and operational data by farm area and crop type.

- Drove significant performance optimizations across the payroll module by diagnosing and refactoring expensive query patterns and eliminating redundant data-fetching logic.

Senior Software Engineer (Contract), Prosper Health   NYC — *Feb 2024 - Aug 2024*

- Contracted to lead the design and development of a therapy intake and appointment scheduling web app, automating a previously manual intake + scheduling process, resulting in record week-over-week increases in therapy bookings.

- Led migration of the codebase from siloed frontend and backend apps to a monorepo using Turborepo, enabling code re-use and improving integration between different parts of the application.

- Implemented CI/CD and automated releases using Fly.io and Docker. Set up automated testing, coverage reporting, and linting checks on PRs and on staging/production releases.

Senior Software Engineer, Flowcode   NYC — *2020 - 2023*

- Led front-end migration of our authentication provider for three million users from Firebase to Frontegg. Implemented SSO (SAML) and OAuth flows.

- Led development of an enterprise admin dashboard built with React, Next.js, and GraphQL, used by 70% of Fortune 1000 companies for role-based access control, organization management, and invitation and referral systems.

Founding Engineer, The Juggernaut   Mumbai, India — *2018 - 2020*

- Partnered with the founder on nights and weekends to launch and scale a global online magazine to thousands of readers.

- Architected and built the full-stack platform, including a Next.js/React frontend, GraphQL API, Stripe-integrated paywall, and a headless CMS supporting over 100 freelance writers.

Full Stack Engineer, Social Star   Mumbai, India — *2018 - 2020*

- Lead developer on team of 3, building a volunteering platform for one of India's largest non-profits.

- Built product using Typescript, React, Next.js, Firebase, GraphQL, and PostgreSQL.