Tim Chen

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Experience

Lithic, Inc. FKA Privacy.com   Mar 2021 to Present
Senior Software Engineer
- Bootstrapped and ferried Lithic v1 - the standalone dashboard for consumers of the Lithic API - to production.
- Designed and implemented multi-user teams using role-based access controls flexible to changes and additional requirements.
- Built complex user onboarding flows in easy-to-understand and flexible modules.
- Led features and projects from technical specifications to breaking down into detailed tasks to guiding implementation.
- Shipped features preventing and detecting first-party fraud.
- Integrated the dashboard to consume our main product offering (API), being the first service in the company to dogfood.
- Migrated old infrastructure to infrastructure-as-code via Pulumi.
- Performed security audits of our systems to close vulnerabilities created by accumulating tech debt.
- Increased developer efficiency by dockerizing local environments, building tools to assist with testing and seeding data, and introducing CI/CD workflows via GitHub Actions.

NerdWallet   Dec 2019 to Mar 2021
Senior Software Engineer
- Built and maintained microservices to serve various content types, such as Articles, Landing Pages, and Hubs.
- Extended internal libraries responsible for serializing and rendering content.
- Authored RFCs for new cross-team engineering initiatives - for example, supporting a centralized client-side routing API between separate apps.
- Developed and rolled out the new global navigation component, increasing interaction rate by >120%
- Led projects from scoping to shipping, created milestones, and delegated tasks to other engineers on the team.
- Created a proof-of-concept for a composable calculator builder during a company Hackathon, replacing old technologies.
- Evangelized TypeScript throughout the team and the wider engineering org.

Repl.it   Nov 2017 to Sep 2019
Full-Stack Software Engineer
- Shipped features and experiments to grow engagement with paid plans, such as referral vouchers, variable pricing, and multi-month subscriptions.
- Designed and implemented a folder system for managing workspaces with automatic filtering of unnamed workspaces, multiple selection, and drag-and-drop functionality.
- Integrated Repl.it with various third party services such as Stripe and Sendgrid.
- Created admin tooling to ease the workload of support staff and community volunteers.
- Implemented community moderation features and systems to reduce spam and increase engagement on community forums.
- Developed strategies to promote growth within the user community and curate content to be showcased on the workspace.
- Built new workspace plugins for collaborative coding, onboarding tutorials, and unit testing.
- Expanded and open sourced public-facing Repl.it documentation.
- Converted React components and pages to Flow.js and TypeScript.

The Urban Assembly Gateway School for Technology   Aug 2014 to Sep 2017
Software Engineering Teacher
- Taught 80+ students in diverse Title I school that has an 80% low-income and 90% minority student body

Education

New York University   January 2014
Bachelor of Science, Secondary Mathematics Education

Skills

- JavaScript, TypeScript, React/Redux, Node, Express, Next.js, GraphQL, Angular 9, Python, Vue.js
- PostgreSQL, MongoDB, Sequelize, Mongoose, Redis, Docker, AWS, git