

Sachin Raja

github.com/sachinraja | linkedin.com/in/s4chinraja | me@sachinraja.com

EDUCATION

University of California, Los Angeles

BS in Computer Science

September 2023 – Present (expected 2027)

EXPERIENCE

Intern

Vercel

June 2024 – September 2024

- Owned a project to build an API reverse proxy handling over 3k requests/second to 80 backend services
- Deployed services using Kubernetes and Terraform
- Built observability tools using DataDog and Honeycomb
- Wrote internal documentation including an RFC and runbook

Project Lead

tRPC

November 2021 – September 2023

- Used advanced TypeScript to make server-client communication effortless for users of the open-source library
- Collaborated with others to grow project to 30,000 GitHub stars and 250,000 weekly downloads
- Communicated with users in library upheaval to improve developer experience
- Developed codemod for users to easily migrate to newer version of the library
- Built integrations to other frameworks (swr, Vite, Bun, and more) to help users and expand library usage
- Updated large-scale CI system to ensure support for other libraries and frameworks

Intern

Tola

June 2022 – August 2022

- Worked alongside engineers at a fintech startup to make billing more accessible for small businesses
- Built components for the TypeScript/React website and wrote backend API code querying and mutating the database
- Implemented a user notification system for important events, such as when a user's bill is due

Volunteer

The Evergreen Initiative

July 2021 - August 2021

- Planned curriculum for a game development and engineering class
- Taught students from 4th to 6th grade how to create graphics in JavaScript

PROJECTS

tRPC Drift | *TypeScript, Next.js, PostgreSQL*

November 2022 – September 2023

- Developed a tool for developers to visualize changes to a backend API
- Created a framework to serialize the inputs and outputs of an API using the TypeScript Compiler
- Built a playground for users to test their API in development

Open Source Contributions | *TypeScript*

November 2021 – Present

- Added jump-to-definition support for API calls in Remix, a popular Node.js framework
- Improved module resolution compliance in Vite, a popular JavaScript build tool
- Updated build pipelines for [BuilderIO/Mitosis](#) and [tailwindlabs/tailwindcss](#)

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, HTML/CSS, Python, Java, SQL

Frameworks: React, Node.js, Next.js, Prisma, TailwindCSS

Developer Tools: Git, Docker, Kubernetes, Terraform