Jacob Cohen-Rosenthal
Software Engineer

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Education, Awards

Bennington College
Bennington, Vermont, 2005–2009
B.A. Psychology and Visual Arts

Beijing Institute of Education
Beijing, China, 2008
Intensive Mandarin program

Best Use of Textile ThreadDB
HackFS Filecoin Hackathon, 2020

Skills and Tools - Projects

Inter Planetary Flash Cards - Spaced repetition flashcard app and browser extension. JavaScript Vue.js frontend. **Python Flask** backend connecting to **Postgres SQL** database. **Bootstrap** and Sass SCSS. UI/UX design in Figma. Integrated IPFS storage with the Pinata.cloud API.

My website - Feature complete blog and portfolio site with search and feedback features. **Vue.js** with Gridsome. Including a touch of GraphQL.

Eweser-DB - The latest iteration in a three-year journey to develop a user-owned database for interoperable apps. React Hooks, **Vite**, Lerna **monorepo**, and more.

EduVault - User-owned data, focusing on education. **Docker**, Docker Compose, **Amazon** cloud, **Nginx**, Svelte. **MongoDB** and Mongoose ORM. Express.js and Koa **NodeJS** backends. SSR with Next.js and SvelteKit. Distributed databases like gun.js and TextileDB.

Industry Experience

Outlandish **Tech Lead**
Dec 2023 - Present Remote

- Took the creatorsamples.com project from MVP to full fledged project with large active user base.
- Built the tech team from 2 to 7 people. Interviewed candidates and trained new employees.
- Set in place technical standards and work processes
- Led architectural and infrastructure decisions. Implemented crash logging and analytics.
- Reviewed all of the team's pull requests while continuing to be an individual contributor coding daily

Boostbot.ai **Senior Fullstack Developer**
Jan 2022 - Dec 2023 Remote, Singapore

- Planned, lead and executing a complete system overhaul, migrating the app from a legacy system to a new Next.js + Supabase tech stack.
- Project lead on several large projects including the email outreach system which included setting up an STMP email server and scheduler algorithm service.
- Developer team advocate in product planning, agile SCRUM and management work for major features and improvements to our work process.
- Mentored Junior developers

Main Street Data **Fullstack Developer**
Oct 2022 - Jan 2023 - Remote, USA, Freelance

- Made new features and fixed bugs for a financial analysis website.
- Pulled data from backend, cleaned it and added calculations and modifications.
- Managed data visualization using Chart.js.
- MIgrated codebase to TypeScript. Made it more reliable, DRY, and extensible.

Kava Labs **Software Engineer Junior II**
Feb 2021 - Oct 2022 Remote, USA

- Wrote and maintained frontend feature code and test suites for a financial application with 10's of thousands of active users.
- Worked with a distributed global team using Agile methodology.
- Promoted to Junior II in December 2021.
- Project lead and owner on many epics, including: Google Analytics integration, UI design system overhaul, and multiple new pages and mission critical app features.

Boquan Technologies **Developer Support Engineer**
May 2020 - Jan 2021 Fuzhou, China

- Wrote and translated technical documentation for the DotWallet for Developers platform and the MemPool API.
- Built test apps and convenience libraries, and orchestrated developer outreach.

Skills and Tools - Professional Context

- 4+ years **JavaScript**, ES6 **TypeScript**, CSS and HTML for browsers and **NodeJS** environments in both package libraries and user-facing applications.
- 3+ years **React** and related libraries, most notably **Redux**, Material-UI, and React-Router. Worked with PMs, UI and UX designers to create an internal design system and component library that sped up new feature development and designer/engineer communication.
- 3+ years **SQL** and other database technologies, notably Postres and Supabase.
- ~ 1 year **PHP Laravel**, including the Filament admin dashboard framework and eloquent ORM.
- Used Test Driven Development (**TDD**) best practices to make codebase updates that were safe, reliable, and self-documenting. Used **Cypress.js** for End-To-End (E2E) tests, and **Jest**, vitest and React Testing Library for unit tests, to reduce production bugs and regressions. Used Mock Service Worker (MSW) to mock backend requests and prepare the app to handle different backend circumstances.
- Managed Continuous Integration tools, primarily with Github Actions. Configured our **CI/CD** pipeline to build faster and more reliably, and deploy to different staging environments.
- Wrote and maintained both internal and external technical **documentation**. Deployed docs sites with Swagger.
- Evaluated, integrated, and extended third party libraries. Did spikes to determine the pros and cons of using a library vs. building an in-house solution. Resolved the dependencies and build/compile issues (**Webpack**, ESBuild) endemic to the JavaScript ecosystem.
- Other: **Git**. managing merge conflicts, feature flag branches, and dark deploys. Bug reporting with Sentry.js. Component-based design in Storybook.js. Agile work methodology, and familiarity with common agile management dashboards (Shortcut and Asana). **Analytics** and user tracking integration. Explored Golang and Solidity. Fluent in Mandarin Chinese 简体中听说读写十分流利.