



# Jacob Cohen-Rosenthal

## Software Engineer

### Contact

✉ [jacob.cohenrosenthal@gmail.com](mailto:jacob.cohenrosenthal@gmail.com)

🌐 [jacobcohen-rosenthal.me](http://jacobcohen-rosenthal.me)

🐙 [github.com/jacobcoro](https://github.com/jacobcoro)

📞 607-342-5439

🌐 [LinkedIn](#)

### Education, Awards

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

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

📊 **Main Street Data** **Fullstack Developer**  
Oct 2022 – Present Remote, USA

- 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.
- Was 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

- 2+ years **JavaScript**, ES6 **TypeScript**, CSS and HTML for browsers and **NodeJS** environments in both package libraries and user-facing applications.
- 1+ 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.
- 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** and React Testing Library for unit tests, to reduced 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 (Kava's backend) and Solidity (Kava's blockchain ran an EVM with smart contracts). Fluent in Mandarin Chinese 简体中听说读写十分流利