

# Shay Rosner

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## Summary

**Senior Full-Stack Software Engineer** with deep experience in React, Next.js App Router, and TypeScript, building performance-critical and security-sensitive systems. Strong background in API design, third-party integrations, data pipelines, and money-safe logic. Known for improving reliability, reducing latency, and explaining tradeoffs clearly in ambiguous environments.

## Technical Skills

**Languages:** TypeScript, JavaScript, Python, C#, SQL, Solidity

**Frontend:** React, Next.js, React Native, CSS, Tailwind CSS, Material-UI, shadcs/ui, React Query, Zustand, Storybook, Clerk, HTML

**Backend/APIs:** Node.js, Express.js, GraphQL, Prisma, Supabase, PostgreSQL, MySQL, SQLite, MongoDB, Firebase, Django, Flask, .NET (ASP.NET Core, EF Core), SQL Server, Azure Functions

**Infra/DevOps:** AWS (EC2, Elastic Beanstalk, Amplify), Vercel, Netlify, Docker, Nginx, CI/CD, New Relic, Loader.io, k6

**Quality & Accessibility:** WCAG 2.x, Cypress, Jest, Mocha, Chai, accessibility audits/remediation

## Professional Experience

**Senior Software Engineer, CrowdCourseing, Remote** October 2023 – Present

- Built and shipped .NET backend features in C# with clean layering, automated tests, and tightened edge-case behavior
- Integrated backend services via **GraphQL** and **OpenAPI**, improving schema consistency, error handling, and lasting maintainability
- Owned and delivered 50+ full-stack features across **React**, **TypeScript**, and **GraphQL**, spanning admin, instructor, and student workflows with clear client/server boundaries
- Translated ambiguous UX issues into **documented, repeatable engineering patterns**, reducing back-and-forth between product, support, and engineering
- Owned end-to-end resume upload flow with **strict client-side validation** to protect user-entered data and backend services

**Software Engineer, ByteBot, Remote** May 2024 – Present

- **Reduced page load latency by 55%** by removing request waterfalls, parallelizing independent fetches, and resource-loading refinements to strengthen both application performance and resilience under real user traffic
- Partnered directly with client stakeholders to scope requirements, run technical discovery, and deliver quick prototypes and demos that validated feasibility and performance
- Refactored **Node.js + MongoDB** flows ahead of **10k+ users launch**, standardizing currency handling and rounding drift prevention
- Shipped secure transaction flows with **Solidity** integrations using server-side secret isolation and traceable, audit-ready execution
- Strengthened platform quality by writing **robust Jest tests (98% coverage)**, ensuring production resilience and accuracy
- Built and deployed **React/Next.js** applications to **AWS + Firebase**, delivering **WCAG-compliant**, accessible UI component flows

**Software Engineer, Chelle.ai, Remote** November 2023 – February 2024

- Designed and delivered a **real-time AI chat platform** with encrypted data, secure session handling, and user workflows
- Built end-to-end onboarding and auth flows using **Next.js**, **Clerk**, and **Firebase**, balancing security, usability, and scalability
- Deployed and operated platform using **Docker** and **cloud services**, monitoring behavior, and resolving production issues reliably
- Implemented **server-side session handling** and **API boundaries** to safely manage user context, secrets, and message history

**Software Engineer, Tensile Payments, Remote** August 2021 – February 2022

- Developed and shipped secure payment portal using **React** and **AWS Amplify**, supporting payment flows and user authentication
- Integrated **frontend components** with **backend APIs** to process and display payment-related data reliably and securely
- Enforced **WCAG2 accessibility** and performed comprehensive security reviews, initial audit, reparation, and post-audit checks
- Achieved **87% test coverage** by creating unit tests for component functionality using **Jest/Enzyme** and **Cypress** with **TDD** principles

**Software Engineering DEI Program Manager, Hack Reactor @ Galvanize, Remote** June 2021 – September 2023

- Delivered curriculum and mentorship in **JavaScript**, **TypeScript**, **React**, **Node.js**, **Python**, and **SQL** to 30–100 students per cohort
- Implemented real-time monitoring workflow using **Google Apps Script** to surface at-risk signals and enable proactive support
- **Collaborated cross-functionally** with instructors and leadership to iterate on curriculum, assessment standards, and operations
- Championed **DEI initiatives**, building community, and supporting underrepresented groups in tech

## Education

**Software Engineering Immersive, Hack Reactor, San Francisco, CA**

August 2020 - April 2021

**B.S., University of Florida, Gainesville, FL**

2011 - 2013

