

Andrew Schneider

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PROFILE

I am a seasoned and highly motivated Web Developer keenly focused on building upon, and improving, the Web3 space. Specializing in building modern fullstack web apps that are designed for future scalability and end user usability. I've built and led teams, helped manage multi-million dollar projects and have a proven track record of delivering high-quality software as both an individual contributor and manager. Architecting a noncustodial wallet and its security model, implementing the BIP141 (SegWit) protocol and ERC20 upgrades and integrating with multiple 3rd party vendors such as Ledger, BitPay and OpenSea are some of my proudest accomplishments in the Web3 space.

SKILLS

– PROGRAMMING LANGUAGES

JavaScript | TypeScript | HTML | CSS | SASS | NoSQL | SQL | Python

– FRAMEWORKS & LIBRARIES

React | NodeJs | NextJS | NestJS | Express.js | Gatsby | Jest | Cypress

– CRYPTO

Bitcoin (BIP32, BIP39 BIP141) | Bitcoinjs-lib | EVM (ERC-20, ERC-721, ERC-1155) | Ethers.js | Wagmi | Viem | RainbowKit | Web3.js

– DEVOPS

GitHub Actions | Docker | CircleCI | Datadog | ELK | Sentry | Snyk

– DATABASES

MongoDB | Redis | PostgreSQL | DynamoDB

WORK EXPERIENCE

08/2022 – 10/2024

Remote

Lead Software Engineer / Engineering Manager Dispatch

- Built a Ledger Live EVM extension to read NFTs from specific on-chain messaging contracts and write data back to contracts.
- Engineered custom connectors/providers for Wagmi to interface with lesser known wallets.
- Developed custom integrations for Apple Pay and Google Pay to address specific platform constraints. Handled session creation, cryptogram decryption into alias PAN and payment token and submission to payment gateways.
- Designed and implemented checkout/payment workflows to integrate ecommerce platforms (Shopify, Salesforce, and BigCommerce) with payment gateways (Stripe, PayPal Adyen).

02/2020 – 08/2022

New York City, NY

Head Of Web Engineering Blockchain.com

- Established web engineering standards, quality benchmarks, and strategic direction for various internal and external web applications.
- Designed and implemented complex cross-application features, including a single sign-on authentication system and a non-custodial wallet chrome plugin similar to MetaMask.

WORK EXPERIENCE

06/2019 – 02/2020
New York City, NY

Front End Team Lead Blockchain.com

- Spearheaded a team of developers dedicated to adding features to our web wallet, including KYC, Buy/Sell, Bitcoin SegWit protocol upgrade, ETH ERC20 support.
- Oversaw the architecture of technical solutions, managed product releases, coordinated engineering tasks, and resolved technical issues to ensure seamless operations.

02/2018 – 06/2019
New York City, NY

Senior Front End Engineer Blockchain.com

- Developed a non-custodial web wallet using React, Redux, and Redux Saga
- Directed the implementation of key features including ETH ERC20 support and integration of Ledger hardware wallet support

09/2016 – 02/2018
Minneapolis, Minnesota

Senior Front End Engineer Target

- Lead front end development initiatives for various digital asset management applications utilizing Angular and React within comprehensive tech stacks including Kafka, Docker, GCP, Python, and MongoDB.
- Developed and implemented a streamlined CI/CD workflow for all microservices through the utilization of Drone, Docker, and Kubernetes.

11/2014 – 08/2016
Eagan, Minnesota

Senior Software Engineer Thomson Reuters

- Played a crucial role as a member of the core front-end development team, contributing to creating documentation and guidelines to shape and support the community.
- Helped craft a JavaScript style guide, unit testing protocols, and code review best practices

OPEN SOURCE PROJECTS

Blockchain.com Wallet Decrypter

<https://github.com/schnogz/bcdc-encrypted-wallet-extract>

A Node CLI to extract encrypted wallet payloads from a Blockchain.com wallet GUID.

Item2 Crypto Stats

<https://github.com/schnogz/iterm-blockchain-components>

Custom crypto related status bar components for use with the iTerm2 application. Features include current Bitcoin block numbers, halvening countdowns and prices.

Songkick API Wrapper

<https://github.com/schnogz/songkick-api-node>

A Node.js wrapper for the full Songkick API.

Personal Website

<https://github.com/schnogz/schnogz-xyz>

My personal website built with React and Gatsby.

EDUCATION

01/2007 – 12/2011

Computer Science | Cum Laude Minnesota State University, Mankato