

Ryan Floyd

ryanfloyd.me

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OVERVIEW

Senior software engineer with 5 YoE shipping modern web apps and developer tools with high agency

Skills: Typescript, Next.js/React, Zustand, Postgres, Git, WASM, Chrome Extensions, onchain integration, SDK & npm package development, wagmi/viem, Vercel, Cursor

WORK EXPERIENCE

Pluto.xyz

January 2022 – Present

Senior Software Engineer

Multi-product ownership and cross-team integration, from architecture to launch at a high-velocity startup

Pluto Frame

- Co-architected front end for a TEE-backed automation SDK, described as “Plaid for any web data”, shipped as two npm packages, an iframe UI, and in-browser IDE playground
- Cut complex library boilerplate to just 5 lines, streamlining experience for React/JS developers

RAG Developer Assistant

- Shipped a Retrieval-Augmented Generation (RAG) chatbot, leveraging OpenAI models and embeddings of company docs (via Postgres) for instant, context-aware AI support
- Reduced developer support requests 80%+ through LLM-powered self-service troubleshooting

Chrome Extension

- Co-architected a multi-context Chrome extension integrating WASM proofs, multi-threaded Workers, message-passing, and IndexedDB caching for high-performance client-side computation

Pluto Dashboard

- Built self-serve portal (Next.js, Stripe billing, OAuth, Drizzle ORM), allowing for streamlined dev onboarding

Solidity Playground

- Compiles ethereum contracts client-side via solc WASM, displaying bytecode, opcodes, ABI, and more

Lockheed Martin

November 2020 – November 2021

Software Engineer

- Built internal tools and dashboards for analyzing and reviewing helicopter flight data

PROJECTS

- **3D Nouns** - NounsDAO-funded 3D web app adopted by Nifty Island and Joyride Games. Uses React-three-fiber for 3D avatar rendering and GraphQL querying of onchain Nouns data via The Graph
- **Portfolio 2020** - Interactive 3D portfolio (Three.js), earning 500+ GitHub stars and 60K+ views on a technical writeup
- **Ethereum Validator** - Self-hosted Ethereum full node using Rocketpool on my own hardware that [successfully proposed blocks](#), helping to secure a \$250 billion network (2023-2024)

EDUCATION

Binghamton University, State University of New York

August 2017 – May 2018

Masters of Business Administration (MBA), Concentration in Information Systems

Bachelor of Science in Accounting, Magna Cum Laude

August 2013 - May 2017