

Nicholas Stuart

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Software Engineer with 4 years of experience designing and developing web applications. Responsible for the maintenance of existing applications, as well as the development of new applications from concept to production. Passionate about solving complex problems and creating performant, intuitive user experiences. Consistently pursuing knowledge of emerging and established tech trends, with an interest in exploring new tools, languages, and libraries to cultivate further skills.

Work Experience

Full Stack Engineer

Feb 2025–Present

Grain & Protein Technologies - GSI Connect Team, Remote

- Implemented notification feature built on top of an event driven architecture, enhancing overall UX.
- Took on the role of Designer to develop UI components with Figma.
- In collaboration with the Controls engineering team, developed a prototype for new hardware providers to integrate into the existing production system.
- Designed and developed an HMI device UI/UX for a new industrial air system dryer.
- Migrated serverless functions to AWS EC2 instances, increasing reliability for critical infrastructure.
- Refactored and implemented several production Microservices, drastically reducing SLOC, increasing overall maintainability.

Full Stack Engineer

Aug 2023–Jan 2025

Ape - Tradeskis Marketplace Team, Remote

- Working with stakeholders, designed and developed an upgraded API and associated database schema for production application.
- Integrated cryptocurrency deposits and withdrawals for Ethereum ERC-20 tokens, Bitcoin, and Litecoin.
- Implemented mobile responsive and dynamic UX for a digital collectibles marketplace.
- Led the interview panel for UI/UX designers. Collaborated across teams in standardising UI aesthetics, user flows, and UX components.
- Implemented lightweight performance optimizations in TypeScript back-end reducing overall dependencies.
- Designed and implemented a comprehensive testing suite to ensure new features were accurately and safely implemented.

Ape - LuckGG Team, Remote

- Rebuilt frontend from scratch for loot box opening website using SvelteKit, migrating away from outdated frontend
- Expanded on reused backend from prior casino site to implement new functionality specific to loot box site features
- Built Node.js puppeteer scraper to scrape loot box types, combinations, and prices from competitors to ensure site would beat competition in profitability

Frontend Engineer, Full Stack Engineer

Jan 2022–May 2023

Pub Finance - WenRug Team, Remote

- Designed and implemented reusable UX components during an overhaul of existing production frontend.
- Integrated Ethereum Virtual Machine (EVM) features including deposits, withdrawals, and bridging to alternative Layer 1 chains using LayerZero bridging technology.
- Redesigned and expanded upon existing API, culmination in a v2 API release.
- Oversaw and facilitated team's Agile ceremonies, particularly daily stand-ups, sprint planning/review/retrospective and backlog refinement.
- Received mentorship and guidance from Senior engineers, both professionally regarding work related projects, and personally, helping to develop skills further.

Education

Bradley University, Peoria, IL.

Bachelor of Science in Computer Science - Concentration in Software, Website, and Application Security

Dec 2021

Languages, Libraries, Technologies

Languages:	Expert: JavaScript/TypeScript Intermediate: Go Some experience: Elixir, Java, Rust, Python
Libraries:	React (Router, Native), TanStack Query, SvelteKit, Bun/Node.js, TailwindCSS, ethers.js, (Solana and Eth) web3.js, wagmi.js, Fastify, Express.js, Jest, Vitest
Technologies:	SQL (MySQL, PostgreSQL), NoSQL (DynamoDB, MongoDB), Websockets, AWS (ECS, SQS, Lambda, EC2), Git, Linux, Docker, end to end tests, unit tests
Other:	Test Driven Development, pair programming, clean code principles, Agile/scrum, event driven architecture, RPC protocols, modern AI tools

Projects

- **Fitness Tracker (in progress):** A simple fitness tracking app that allows the user to log workouts, track reps/sets per exercise, save workout templates, and view progression over time.
 - Technologies used: React Native + Expo, sqlite
- **Solana trading bot (personal, 2025):** An automated trading bot integrated with Birdeye that scanned for on chain signals to buy or sell memecoins based on customizable criteria and managed positions according to risk profile
 - Technologies used: Bun, Solana/web3.js, technicalindicators, Raydium Javascript SDK
- **Merch.fun (unlaunched):** A no-code e-commerce platform that automates custom merchandise store creation, enabling communities to launch branded shops in minutes
 - Technologies used: SvelteKit, Bun, Elysia.js, deployed via DigitalOcean using Docker, and Caddy, integrating Shopify and Printify APIs
- **Solana portfolio tracker (personal, 2024):** A simple frontend portfolio tracking app for wallet balances across multiple wallets, specifically for on chain tokens that other portfolio apps may not support
 - Technologies used: Svelte, Tailwind, Solana/web3.js
- **MultiPFP (launched in 2023, sunset):** A web app using Three.js that let users design animated profile pictures with any arbitrary images
 - Technologies used: Three.js, React, Express.js, deployed with DigitalOcean and Caddy