

CLARK SMITH Front End Focused Full Stack Software Engineer

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SUMMARY

Front End Focused Full Stack Software Engineer with 4.5+ years of experience building production web and mobile applications using React, Next.js, React Native, and TypeScript. Deep experience building high-performance, interactive frontend features, delivering smooth, polished, and intuitive user experiences, while also architecting backend APIs with Node.js and SQL/NoSQL databases. Key achievements include developing a student reunification and crisis management interface for K–12 schools, designing and building push notification functionality with a swipeable notifications inbox and spring-based animated snackbars, and creating frictionless onboarding flows for mobile apps. Proven track record delivering scalable, secure, and maintainable applications in fast moving, high impact production environments.

SKILLS

Frontend

JavaScript, TypeScript, React, Next.js, React Native, Redux, HTML5, CSS3, Tailwind, Material UI, styled-components, Framer Motion, React Native Reanimated, React Native Gesture Handler, React Hook Form, Yup, SWR, Highcharts

Backend

Node.js, Express, PHP, PostgreSQL, MySQL, MongoDB, Python, Flask, Sequelize, Firebase, Firestore, REST APIs, WebSockets, Contentful

DevOps & Cloud

AWS, CI/CD (GitHub Actions), Linux, Apache, Bash, SSH, Vercel, Heroku

Tooling & Practices

Xcode, Android Studio, Expo, Git, GitHub, Postman, GitHub Copilot, Cursor, Claude, Swagger, Jest, Mocha, Navicat, Jira, Agile & SAgE, API Design, Database Modeling

Additional Experience

Web3 (Solidity, web3.js, ethers.js), Cordova-based mobile applications

PROFESSIONAL EXPERIENCE

Mobile / Full Stack Software Engineer [SELF ID](#)

July 2025 - December 2025

Position eliminated via 60% company-wide RIF

Self ID is a decentralized identity platform built on the blockchain-agnostic MDIP protocol, enabling self-sovereign identity and data attestation via a React Native mobile app and a Node.js SDK for partner integrations

- Rebuilt the onboarding and account creation flow for the Self mobile app, implementing a swipeable carousel and multi-step forms using React Hook Form, resulting in a frictionless onboarding experience and increased account adoption
- Built in-app notification UI featuring animated spring-based slide-in banners and a notifications inbox with read/unread state, delete and undo actions, and full and partial swipe gestures
- Designed and implemented idempotent Node.js APIs and Firestore data models for user and device registration, user settings, and push notification preferences, using transactions to ensure atomic multi-collection writes and prevent orphaned or inconsistent database state
- Refactored Self ID mobile app to replace styled-components with a memoized StyleSheet hook with dynamic theming, boosting performance and maintainability
- Engineered a frictionless mobile authentication handoff between partner websites and the Self mobile app, preserving browser and page context via query parameters, local storage, and API polling to return users to the originating page after successful authentication

Full Stack Software Engineer [Intrado Life & Safety Safety Shield Suite](#) | Longmont, CO

Oct 2023 - July 2025

Safety Shield is a real-time emergency response platform used by hundreds of K–12 schools across the U.S., spanning web, mobile, and wearable panic button systems (React, PHP)

- Built a student reunification, attendance, and status interface for crisis situations, featuring multi-criteria filtering, real-time state management for large datasets, and end-to-end workflows for reuniting students with guardians during emergencies
- Refactored mobile and backend push notification pipelines (FCM), significantly improving delivery reliability and latency for time-sensitive emergency alerts
- Led the mobile upgrade of our Cordova mobile application to Cordova 11 and Android 13, debugging forked plugins, updating native dependencies, and resolving numerous iOS and Android permissions issues to maintain seamless cross-platform functionality
- Identified and resolved systemic SQL injection risks by refactoring the core CRUD layer to use Prepared Statements; secured 150+ API endpoints and optimized query performance via execution plan caching
- Architected and rebuilt Safety Shield infrastructure on AWS, migrating from EOL Amazon Linux to Rocky Linux 8.10; resolved legacy PHP 7.2 dependencies and improved platform stability across four environments.
- Designed and implemented CI/CD pipelines for six codebases using GitHub Actions, improving deployment consistency and release velocity across Dev, QA, CE, and Production
- Built internal tooling and customer-facing features, including a CSV-based bulk registration system for BLE beacons enabling real-time geolocation via wearable panic buttons

Full Stack Software Developer [Pineapple Workshop](#) Web3 Software Agency | Denver, CO *Jul 2021 - Apr 2023*

Position eliminated via RIF following a reduction in client project pipeline

Pineapple Workshop is a software agency delivering client-facing web applications and Web3 integrations across multiple industries

- Developed 14 different React.js and Next.js web applications for clients including a real estate app, music NFT marketplace, crypto trading platform, property management app, NFT marketplace website and widget, and arcade style NFT marketplace
- Designed and built an embeddable React checkout widget deployable with 2 lines of HTML
- Added pay with credit card and buy with crypto functionality for NFT purchases (Wert and Moonpay) leveraging Websockets
- Implemented REST APIs in Node.js / Koa / Sequelize and Golang / MongoDB to power front-end features
- Wrote, tested, and deployed Solidity smart contracts for 8 NFT collections on the Ethereum network

PROJECTS

POG Digital NFT Marketplace (Pineapple Workshop)

Mar 2023 – Apr 2023

- Gathered requirements and interfaced with the client, and led and managed a 4 person cross functional team (Engineers, Designers) delivering a robust product in a 4 week development, testing, and deployment period
- Created an NFT Marketplace with Next.js and integrated with a Solidity smart contract with Ethers.js and Web3.js
- Integrated 3 Crypto wallets for Desktop and Mobile devices (Metamask, Metamask Mobile, WalletConnect)
- Created a 3D style arcade UI with Tailwind and Framer Motion animations based off of Figma mocks
- Orchestrated a high volume drop day with a two tiered allowlist of over 9,000 wallet addresses and a public sale that saw over \$100,000 of sales in the first day

Market Update [Github](#)

Apr 2021 – May 2021

Full stack stock market app built using React, Redux, SWR, Node.js, Express, PostgreSQL, Highcharts and YahooFinance and Finnhub API built for my Springboard Capstone 2

EDUCATION & CERTIFICATIONS

Springboard Full Stack Software Engineering Career Track Certificate

Aug 2020 - Jun 2021

700+ hours of hands-on course material, with 1:1 industry expert mentor oversight, and completion of 4 in-depth portfolio projects. Mastered skills in front-end web development, back-end web development, databases, data structures and algorithms.

University of Denver Lamont School of Music

Sep 2006 - Jun 2010

Bachelors of Jazz & Commercial Music with a Concentration in Audio Production

National Outdoor Leadership School (NOLS) Semester in the Rockies

Sep 2005 - Dec 2005