

Satwik Rudra

Full-Stack Developer Web & Mobile · React, React Native, Node.js

Dallas, TX · satwikrudraa@gmail.com · Portfolio · LinkedIn

SUMMARY

Full-stack developer with 5+ years building and shipping web and mobile products. Deep in the React ecosystem, React and Next.js on the web, React Native across iOS and Android, with Node and Express behind them. Client work has spanned fintech, health, fashion, logistics, marketing, and AI automation. Comfortable owning a product end to end: I designed, built, and released **Atelier AI** to the App Store and Google Play on my own. Increasingly focused on shipping AI features into real products, from speech analysis and LLM chat assistants to support automation, and on using agentic tooling to move faster without giving up code quality.

TECHNICAL SKILLS

Frontend	React, Next.js, React Native, TypeScript, JavaScript (ES6+), Angular, HTML5, CSS3, Tailwind CSS, shadcn/ui, Material UI, Styled Components, SASS, Responsive Design
Backend	Node.js, Express, REST APIs, Spring Boot, Django, JWT auth, Socket.io, Microservices
AI & Automation	LLM feature integration, conversational assistants and copilots, speech and pronunciation analysis, AI support automation, prompt design, Claude and Claude Code, Claude Skills, agentic coding workflows, AI-assisted code review and refactoring
State & Data	React Query (TanStack), MobX, Redux patterns, React Context, RxJS, optimistic updates, caching strategy
Databases	MongoDB, MySQL, Firebase, Apache SOLR
Testing & CI/CD	Jest, React Testing Library, Jasmine, Karma, GitHub Actions, Jenkins, TestFlight, Google Play releases
Tools	Git, GitHub, GitLab, JIRA, Figma, Postman, Webpack, VS Code, Agile / Scrum

PROFESSIONAL EXPERIENCE

SevenTablets Inc. · Full Stack Developer Dallas, TX · Aug 2023 to Present

- Build and maintain responsive React applications and cross-platform React Native apps for iOS and Android, from Figma handoff through store release.
- Delivered client work across fintech, health, fashion, logistics, marketing, and AI automation, adapting to each domain's compliance, data, and integration constraints while keeping one shared React and Node stack.
- Introduced React Query for server-state management with optimistic updates, cutting redundant network calls and making the UI respond instantly while syncing in the background.
- Built scalable REST APIs in Node.js and Express serving both web and mobile clients, with JWT authentication and custom middleware protecting sensitive routes.
- Created a reusable component library on shadcn/ui and Tailwind primitives, accelerating feature work and removing duplication across projects.
- Integrated native device capabilities in React Native including push notifications, secure local storage, camera access, and in-app purchases.
- Added real-time features such as live notifications and instant messaging using Socket.io.
- Use AI-assisted development and agentic coding tools day to day for scaffolding, refactoring, and code review, while keeping human review on every change that ships.
- Ensure quality with Jest unit tests and peer review in an Agile environment; prepare TestFlight and Play Store builds for client testing.

Environment: React, React Native, Node.js, Express, React Query, TypeScript, shadcn/ui, Tailwind CSS, Firebase, Jest, GitHub, JIRA, Agile

Copart Inc. · Software Engineer Intern Dallas, TX · Jun 2022 to Jul 2023

- Developed features and performance work on the Copart mobile app in React Native, contributing to a roughly 20% faster app and about 30% fewer crashes.
- Reduced user-reported bugs by around 40% through systematic testing, debugging, and error-handling work across API and UI failure paths.
- Managed application state with MobX and built core components including tab bars, map views, image and document pickers, push notifications, and authentication flows.
- Consumed REST services with Axios, handling JSON payloads and building validation on user input before it reached the backend.
- Partnered with UX designers to keep the experience consistent across iOS and Android.

Environment: React Native, MobX, JavaScript, Material UI, Styled Components, Jest, React Testing Library, GitHub, Jenkins, JIRA

MobillionLabs · Junior Software Developer

Hyderabad, India · Jul 2020 to Aug 2021

- Developed the SmartWinnr platform on the MEAN stack, building Angular front-end features backed by Node, Express, and MongoDB services.
- Built configurable Angular component libraries driven by config files and shared across multiple applications, reducing duplicated work between teams.
- Applied RxJS observables for reactive data flows and improved performance with Angular lazy-loaded feature modules.
- Wrote unit tests with Jasmine and Karma, and used Postman for API verification.
- Built responsive layouts across mobile, tablet, and desktop using SASS and LESS preprocessors.

Environment: Angular 8/9, TypeScript, RxJS, Node.js, Express, MongoDB, MySQL, SASS, LESS, Jasmine, Karma, Git, JIRA

Akbar Travels Pvt Ltd · Java Developer Intern

Mumbai, India · Jun 2019 to Nov 2019

- Built and tested web applications and microservices with Java and Spring Boot, integrating REST APIs with MySQL and MongoDB.
- Implemented authentication and authorization with Spring Security, and contributed front-end validation in JavaScript and jQuery.
- Worked in a Scrum team, applying standard design patterns and taking part in code review.

Environment: Java, Spring Boot, Spring Security, REST, MySQL, MongoDB, HTML, CSS, JavaScript, jQuery, Git

SELECTED PROJECTS

Atelier AI · Smart Wardrobe

Personal Live

iOS & Android · 2026

An AI stylist for clothes you already own. Users catalogue their wardrobe, then chat with an assistant that builds real outfits from their own pieces based on occasion and weather. Designed, built, shipped, and maintained solo, including both store releases. **React Native, LLM integration, Firebase.**

Syllabee · AI Reading Tutor

Personal In Progress

Web · 2026

A reading tutor for children aged three to seven. Children read aloud while the model analyses pronunciation in real time; a separate parent view tracks phoneme-level progress. Two distinct surfaces in one product, with the child view built icon-first for large touch targets. **React, speech analysis, LLM feedback.**

BOTU · AI DevOps Automation

Freelance Live

Web · 2026

Product UI for an autonomous DevOps platform. Built an AI chatbot for support automation, integrated a conversational DevOps copilot, and implemented a React Flow canvas rendering cloud service architectures as an explorable graph. **React, React Flow, AI copilot integration.**

Santosh Vemula · Artist Portfolio

Freelance Live

Web · 2017

Portfolio site for a multimedia artist, presenting illustration, film, and photography work on a dark, high-contrast canvas. One of my earliest freelance builds and still live. **HTML, CSS, JavaScript.**

EDUCATION

Ph.D. Information Technology, University of the Cumberland · Specialization in Artificial Intelligence In Progress · Distance format

M.S. Computer Science, University of Missouri, Kansas City

Aug 2021 to Dec 2022 · GPA 3.5/4.0

B.Tech Computer Science & Engineering, Jawaharlal Nehru Technological University

Jul 2016 to May 2020 · GPA 8.3/10

CERTIFICATIONS

UI/UX Design Specialization, California Institute of the Arts (July 2020)