

# Sahil Yadav

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## SUMMARY

3x founding engineer (2 YC-backed) with ~5 years of experience building and scaling products from 0 to \$1M+ ARR. Strong with React, Next.js, and TypeScript; comfortable across the stack with Node and Python. Known for shipping fast, owning end-to-end execution, and thriving in early-stage environments.

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## EXPERIENCE

### Software Engineer | Thera, YC S22

March 2023 - March 2025, New York

- Improved frontend load times by optimizing API responses, **reducing payload size by up to 20x** and improving **Time to Interactive (TTI)** across critical user flows.
- Scaled contractor invoicing by building unified views to **review, approve, and pay invoices**, supporting **\$500K+ in monthly transactions**.
- Led payroll experience development for employees and contractors, enabling **multi-role contracts** (W2, contractor, EOR) and workflows including onboarding, invoicing, pay stubs, and tax docs.
- Enforced a strict **Content Security Policy (CSP)**, mitigating XSS/clickjacking risks and scoring **100/100 on Mozilla Observatory**.
- Integrated **Check payroll APIs**, powering employee creation, payroll runs, pay stub access, and tax history, enabling **8+ new client onboardings** and a **new revenue stream**.
- Integrated and extended **Monite invoicing** with custom line items, discounting, and **support for PDF and email formats**.
- Fixed a critical session renewal bug affecting **~7%** of onboardings, boosting **platform reliability** during extended user sessions.
- Improved code quality by enhancing static checks, eliminating the need for Greptile and saving **\$1K+ annually** in dev tooling.

### Software Engineer | Novatr, YC S21

July 2022 - January 2023, India

- Improved **mobile performance scores on lighthouse by 2x** through **frontend optimization** and **codebase refactoring**, enhancing load times and interaction quality on low-end devices.
- Integrated **HubSpot CMS** via **AWS Amplify**, enabling the marketing team to publish content independently, **reducing turnaround time** and freeing engineers to focus on core product deliveries.
- Redesigned **mobile-first**, fully **responsive learner workflows** for tests, assignments, and content, improving **engagement** and **retention** across web and mobile.
- Built **v3 of the Mentor Management System**, delivering **responsive dashboards** for mentors to manage **queries, assignment reviews, and learner progress**, streamlining teaching workflows.

### Senior Software Engineer | Perceptiviti, Google LPA Startup

February 2021 - July 2022, India

- Built multiple **products from scratch**, including **I10 Coder, Sherlock IPA**, and a custom-designed **Analytics Platform** tailored for insurance providers.
  - Redesigned and migrated Sherlock AI** from Django templates to **React CSR**, achieving **2x faster load times**, improved **UI consistency**, and better code **maintainability**.
  - Designed and developed the **company website** end-to-end, delivering a **responsive, SEO-optimized** experience with a **100% Lighthouse score** across performance, SEO, accessibility, and best practices.
  - Defined **frontend architecture** and engineering standards, introducing **CI/CD pipelines**, scalable guidelines, and **best practices** to streamline development and deployment.
  - Deployed products on **AWS CloudFront**, cutting hosting costs by **10x** and improving **availability** and **latency** for global users.
  - Engineered a **hybrid SSR/CSR architecture** using **React and Django**, optimizing asset delivery with **Nginx**, reducing file sizes by **3x** and improving **First Contentful Paint (FCP)**.
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## PROJECT

### QuackPolls (Ongoing)

[quackpolls.sahilten.com/](https://quackpolls.sahilten.com/)

- Built QuackPolls, a full-stack polling application supporting create, edit, delete, and vote on polls, showcasing end-to-end CRUD operations and UI state management.
  - Developed to practice full-stack architecture, implementing auth flows, dynamic rendering, and a responsive UI with an average 96% Lighthouse score across performance, SEO, best practices, and accessibility.
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## EDUCATION

### BACHELOR OF TECHNOLOGY (Electronics and Communication Engineering) | NSUT, East Campus (AI&R)

New Delhi, India

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## SKILLS

**Frontend:** JavaScript (ES6+), TypeScript, React (Next.js), Redux, HTML5, CSS3 (Tailwind CSS), ESLint, Prettier, Webpack, Parcel

**Backend:** Node.js (Express), Python (Django)

**DevOps:** AWS (EC2, S3, CloudFront, Lambda, Lightsail, Route 53, Amplify, API Gateway, CodeCommit), GitHub Actions, Nginx, Docker

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