Sanjay Bhaambhu

Senior Full-stack Engineer · Web & Mobile

Gurugram, India · open to relocating to Europe, or remote · sanjay@bhaambhu.com · +91 89292 99992 · bhaambhu.com

Full-stack engineer, self-taught and building software since 2009 (6 years in industry) across web, mobile and backend. At a mutual fund house I own the mobile apps used by **300,000+ investors**. On my own I built Sarkari Academy, a live job platform (Laravel, PostgreSQL, React and a React Native app, ~1,200 automated tests), and SHADES, a 3D multiplayer shooter with **1.5M downloads** and a **4.5-star rating**.

EXPERIENCE

Senior Manager – Software Developer · PPFAS Asset Management (Parag Parikh Mutual Fund) — Feb 2023 – present

- Own all of PPFAS's mobile apps end to end (React Native/Expo) and the technical decisions behind them: I set the architecture and code-quality standards, review code, and mentor a junior developer and our QA tester.
- Turn Figma designs, business needs and regulatory circulars into technical plans and timelines with design and business teams.
- Co-developed SelfInvest with our CEO, **led its App Store and Google Play launch**, and have owned it since: the customer-facing React Native app **300,000+ investors** use on Android and iOS to buy, redeem and track mutual fund investments.
- Hardened the fintech apps: root and debugger detection, mock-location blocking, encrypted storage and leaner API traffic.
- Migrated legacy apps from JavaScript to TypeScript and from Context to Redux (with Redux-Saga).
- Own the full delivery cycle: stakeholder planning and updates, development (mine or the team's), store releases and OTA updates.
- Introduced regular performance measurement (time to interactive, frame rate, memory) and fixed the bottlenecks it found (e.g. FlashList).
- Built a self-hosted helpdesk on my own that is now replacing our Salesforce helpdesk (a licence of about ₹90 lakh, **≈ €90,000 a year**).
- Built and shipped the corporate investor portal app (Remix) on my own, used by PPFAS's enterprise clients.
- Write unit tests (Jest) and end-to-end suites (Maestro), set our testing and release standards, streamlined CI/CD, and lead WCAG accessibility work.

Junior → Senior Research Fellow (UGC JRF/SRF) · Chaudhary Devi Lal University, Sirsa — Oct 2018 – Oct 2022

- Designed and built CAPTAIN, an adaptive learning platform (Django and PostgreSQL API, Next.js staff app, React Native learner app) that models topics as a prerequisite graph, as part of my PhD.
- Published 4 papers in indexed journals and presented 3 at international conferences on learner profiling and question classification.

Web Developer · OOPS InfoSolutions — Sep 2016 – Oct 2018

- Built full-stack client applications in PHP/MySQL and Java/PostgreSQL with responsive JavaScript front ends.

SELECTED PROJECTS

Sarkari Academy · sarkari.academy
Laravel · PostgreSQL · React · React Native (Expo) · TypeScript

- **Built alone** and launched in 2026: one place for Indian government-job aspirants to follow every recruitment from notification to result; about 300 live notices from about 200 recruiting bodies.
- Each recruitment keeps its full history with its syllabus and 130+ previous papers; an eligibility engine (qualification rules, age limits, category relaxations) builds each user's personal dashboard.
- React Native (Expo) app with push alerts, Google sign-in and OTA release channels, in Play Store testing; one Laravel service layer serves web, app and staff tools, with about 1,200 automated tests.

SHADES: Combat · bhaambhu.com/shades
Unity · C# · real-time multiplayer

- 3D top-down shooter for Android, built alone in 2017: online and local multiplayer, and single-player against AI; 1.5M Play Store downloads, 4.5 stars from 21,000+ reviews.

NativePing · nativeping.com
Laravel · PostgreSQL · React · npm SDK for React Native

- Push notification platform for React Native apps: a one-line npm SDK registers devices; developers segment users by custom attributes (PostgreSQL JSONB) with live audience estimates and send targeted campaigns.

Other projects: Unity Ludo Framework, ScaleVote, phpWikiCMS · more at bhaambhu.com/#projects

SKILLS

Frontend: React, TypeScript, Next.js, Remix, Inertia.js, Tailwind CSS, styled-components, shadcn/ui, Storybook, accessibility (WCAG)
Mobile: React Native, Expo & EAS, TypeScript, Redux, React Navigation, Axios, server-driven UI (server-defined screen sections), OTA updates, App Store & Google Play releases, native Android (Java, Android Studio)
Backend: Laravel (PHP), Django (Python), Java/Spring Boot, PostgreSQL, MySQL, queues, REST APIs, Kafka (learning projects)
Tooling: Git, CI/CD, Jest unit tests, Maestro end-to-end tests, Pest/PHPUnit, Sentry, Cloudflare, Coolify

EDUCATION

PhD, Computer Science & Engineering (AI in education) · Chaudhary Devi Lal University, UGC SRF — 2018 – 2022
Master of Computer Applications (MCA) · Kurukshetra University — 2014 – 2017
BSc Computer Science · Chaudhary Devi Lal University — 2011 – 2014

Languages: English (fluent), Hindi (native)