

Arjun S

Senior Software Engineer, Frontend · React, Next.js, TypeScript, Design Systems

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Summary

Frontend engineer with 2+ years at a cross-border payments fintech, shipping hosted checkout, merchant and partner dashboards, and internal operations tools in React, Next.js and TypeScript. Bootstrapped two Next.js applications from scratch, maintain an open-source React design system, and built an in-app AI design agent. M.Tech in Computer Science, IIT Bombay.

Technical Skills

Languages: TypeScript, JavaScript (ES2023), HTML5, CSS3, Python, C, C++

Frontend: React 17–19, Next.js (App Router), Redux Toolkit, Zustand, TanStack Query, React Hook Form, Tailwind CSS v4, Radix UI, Ant Design, Vite, Rsbuild, Webpack, tsup, Storybook

Quality and Platform: Vitest, custom ESLint rules, Core Web Vitals, accessibility, Docker, AWS (CodeBuild, Lambda, S3, SQS), CI/CD, npm publishing, AI coding agents (Claude Code)

Experience

PayGlocal · Senior Software Engineer, Frontend — Jul 2024 – Present · Bengaluru

Cross-border payments fintech. Contributed 2,600+ commits across 13 frontend codebases: hosted checkout, merchant and partner dashboards, an internal operations console, shared component libraries and transactional email templates.

New applications and migration

- **Bootstrapped the Next.js + TypeScript rewrite of the merchant dashboard** from the first commit: authentication (password, email OTP, 2FA, SSO), app shell, route guards, typed API layer and Docker/CodeBuild deployment, then most of its product surface.
- **Set up a Next.js 16 operations console replacing a legacy React 17 tool:** TOTP and biometric login, permission-gated navigation, ~16 screens ported; ran both apps side by side via an iframe/ `postMessage` bridge, and wrote the migration playbook as a reusable AI-agent skill.

Product ownership

- **Dispute (chargeback) management, end to end:** merchant accept/contest flows with evidence upload and due dates across dispute, pre-arbitration and arbitration; ops review with bulk actions, maker-checker approval and AI-assisted document review; 15 email templates. Shipped the first release (**13K+ lines**) in **two weeks**.
- **B2B invoicing:** multi-step wizard with live preview, tax maths and GST/HSN validation, PDF generation and extraction, recurring schedules, batch payment links, a product catalogue and an OAuth accounting integration.
- **Checkout:** recurring-payment mandates (OTP, retry, status journeys), tokenized saved cards, PayPal, EMI and surcharges; split one checkout app into two (−11K lines) and extracted a shared package with 24 form validators.
- **Also:** unified login with 2FA and session handling, trade-compliance workflows (e-BRC, FX calculator), analytics and customizable widget dashboards and global fuzzy search.

Performance, quality and platform

- Cut the checkout bundle **18.3%** (459 → 375 KB), improving mobile FCP **2.6** → **1.9 s** and LCP **6.5** → **5.5 s**; cut CI/CD time **73%** (12 → 3.25 min) by removing a redundant build step; added a build-time image budget.
- Raised quality through PR reviews, custom ESLint rules and repository agent rules; championed AI coding agents in the team. Beyond frontend: bank mandate integrations and an SFTP pipeline on AWS Lambda, S3, SQS and Batch.

Open Source

- **Flux UI** (docs, `@payglocal_ui/flux-ui`, MIT): maintainer of a React design system (Tailwind v4, Radix). Built the DataTable (server pagination, expandable rows, pinned actions), 7 filter chips and date/time pickers; moved ~35 components to elevation tokens; cut ~20 releases.
- **Lumen** (`@payglocal_ui/lumen`, MIT): sole author of an in-app AI design agent for Next.js, driving Claude Code with secret-file blocking, a tool allowlist, PR-only publishing and a build guard that keeps agent code out of production.

Academic Project

Evalpro, Programming Autograder · BodhiTree, IIT Bombay — Jun 2023 – Jun 2024

- Lead frontend developer (M.Tech project, Prof. Varsha Apte) on an autograder for IIT Bombay programming courses (React, Django REST Framework); the platform underpins the SIGCSE 2025 demo "TA Buddy".

Education

M.Tech, Computer Science and Engineering, Indian Institute of Technology Bombay · CPI 8.83/10 — 2022 – 2024

B.Tech, Computer Science and Engineering, Mar Athanasius College of Engineering (KTU) · CGPA 9.47/10, top 2% of branch

Achievements

GATE 2022 Computer Science: All India Rank 149 (99.8 percentile) among 77,257 candidates.