

ANIKET MOHITE

Senior Frontend Engineer | Product Engineering | React • Next.js • TypeScript

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PROFESSIONAL SUMMARY

Senior Frontend / Product Engineer with 8+ years of experience building and owning production applications across insurance, agritech, geospatial analytics, assessments, and enterprise platforms. Strong expertise in React, Next.js, TypeScript, frontend architecture, complex business workflows, GIS/data visualization, RBAC, authentication, payments, and API-driven systems. Experienced in taking products from requirements through architecture, implementation, validation, and production delivery as a primary frontend owner, with hands-on contributions across Go/PostgreSQL APIs, performance engineering, testing, releases, and AI-assisted engineering automation.

TECHNICAL EXPERTISE

Frontend: React.js, Next.js, TypeScript, JavaScript, Redux Toolkit, Tailwind CSS, shadcn/ui

Architecture & Platform: Frontend Architecture, REST APIs, RBAC, Multi-tenancy, Authentication, Payments, Performance, Testing

GIS & Data: OpenLayers, Leaflet, D3.js, Recharts, Mapbox, Raster/Vector Data, Data Visualization

Backend: Go, PostgreSQL, Node.js, MongoDB, Auth.js

AI & Automation: Agentic Development Workflows, Claude Code, MCP, Jira/GitHub Automation, Human-in-the-loop Automation

PROFESSIONAL EXPERIENCE

Software Engineer | Product Engineering

Swansat Pvt Ltd | Dec 2024 – Present

Primary frontend engineer across production platforms spanning parametric insurance, agritech, geospatial analytics, assessments, and risk analytics, owning frontend architecture and delivery while contributing across APIs, performance, testing, releases, and developer automation.

BhoomiSure | Parametric Insurance Platform

Next.js • TypeScript • Tailwind CSS • Go • PostgreSQL

- Primary frontend engineer and original frontend codebase author for a multi-organisation weather-index insurance platform covering programs, policies, triggers, backtesting, claims, and broker operations.
- Architected a 7-step program creation system with nested insurance structures, geographic coverage, complex validation, pricing, backtesting, policy configuration, drafts/editing, and vector PDF term sheets.
- Engineered policy ingestion for 50k–100k-row CSV/XLSX datasets using virtualized review, validation/error reporting, and 1,000-record batched imports, alongside an organisation-gated AI-assisted extraction/import flow.
- Designed centralized RBAC and Custom Roles across modules, sub-modules, routes, resources, and actions, replacing ~20 scattered role checks with a unified permission architecture.
- Built geospatial coverage, trigger monitoring, claims, broker commissions, bulk settlement, reporting, and program-management workflows.
- Reduced median JavaScript payload by ~98 kB per route across 110/135 routes and introduced Vitest-based testing, helping expand the automated suite from 110 to 1,213 tests.
- Contributed to the Go/PostgreSQL API across permissions, invitations, auth, exports, and program rules; replaced a workflow generating ~800 DB queries per 100-user page with a database-level SQL expression.

KhetPe | Agritech & Farm Intelligence Platform

React • TypeScript • Redux • OpenLayers • D3.js • Cashfree

- Primary frontend engineer for a GIS-heavy farm platform spanning field mapping, satellite/raster data, weather, irrigation, soil testing, subscriptions, payments, and native-app integration.
- Built OpenLayers-based field and GIS workflows including polygon drawing, measurement, raster visualization, geographic filters, and KML/GeoJSON imports; refactored a ~1,000-line MapContainer to ~260 lines using modular managers and hooks.
- Built a reusable 7-chart D3 visualization system for weather, irrigation, soil moisture, crop insights, and agricultural time-series data.
- Delivered soil-test and subscription journeys with Cashfree payments, bulk operations, reports/exports, geographic filtering, and plan-based access control.
- Designed a secure native-app → web handoff using a single-use 30-second authentication token, with Android App Links and iOS deep links returning users to the correct app context.
- Built authentication/session infrastructure, role permissions, token-refresh coordination, user administration, and application-wide English/Marathi localization.

Additional Product Engineering

- **Government Project | Crop Atlas:** Built the current geospatial dashboard from Figma with district → tehsil → village → field exploration across 1,996 villages, synchronized comparison maps, satellite/crop visualization, and dynamic reporting; reduced a representative PDF report from 39 → 17 pages.
- **Swansat Assessment Platform:** Independently built the majority of a Next.js/MongoDB assessment platform with question/test management, Trait Matrix scoring, session recovery, analytics, proctoring for camera/window/fullscreen violations, and HR-facing CSV/PDF reporting.
- **Client Dashboard:** Built Next.js/PostgreSQL precipitation-risk and policy analytics with satellite maps, WMS/WFS integrations, precipitation overlays, dashboards, global filters, trigger visualization, authentication, caching, rate limiting, and security improvements.

AI & Developer Workflow Automation

- Designed a human-in-the-loop Jira → Claude → Git → GitHub → Jira workflow (/fix, /resume, /abort) automating ticket analysis, implementation planning, code changes, validation, commits, PR creation, Jira transitions, and resumable execution while retaining explicit human approval.
- Built /daily-update to correlate GitHub PR/commit activity, local Git history, and Jira into structured engineering delivery reports, using Claude for reasoning and deterministic tooling for Git/GitHub, validation, and state management.

Senior Frontend Developer

Insite Digital Pvt Ltd | Aug 2021 – Nov 2024

- Led frontend architecture and delivery across multiple products, including iCogz, a marketing intelligence platform, while guiding developers through task planning, code reviews, technical decisions, debugging, and mentoring.
- Led the transition from static HTML development to a scalable React.js architecture, owning reusable component systems, API integrations, development workflows, and production delivery.
- Translated business requirements into product flows and technical implementation plans while collaborating with backend, analytics, business development, and sales teams.
- Built interactive marketing and election analytics experiences using React, Mapbox, and amCharts, including a Mumbai municipal election dashboard combining ward-level geographic, historical election, voter, and sentiment datasets.
- Mentored junior developers in React, JavaScript, frontend engineering, debugging, and production development practices.

Frontend Developer — Independent

Self Employed | Sep 2019 – Jul 2021

Delivered responsive websites, dashboards, landing pages, and custom applications using React, JavaScript, jQuery, Bootstrap, and Sass, independently owning requirements, estimation, implementation, revisions, deployment coordination, and client handover.

Frontend Developer

Novus Ventures | Aug 2018 – Aug 2019

Built responsive frontend interfaces using HTML, CSS, JavaScript, jQuery, and Bootstrap and contributed to migrating the company website from static pages to a dynamic Python/Django CMS.

EDUCATION

Bachelor's in Computer Engineering | Mumbai University | 2018