

# PRABAKARAN A S

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## WORK EXPERIENCE

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### Sarvam AI

Bengaluru, Karnataka

#### Lead Frontend Engineer

Mar 2025 – Present

- **Built and launched Indus** ([indus.sarvam.ai](https://indus.sarvam.ai)), architected it to be a multi-tenant AI chat platform (Next.js 16, TypeScript, Jotai) with SSE streaming, voice-to-voice AI, and multilingual Indic support and a PWA install flow across **6+ enterprise** tenants - **50K+ MAU and 160K+** messages within the first week of public launch.
- Prototyped a secure **geospatial analyst cockpit** (OpenLayer Maps, ECharts) for a strategic client, positioning the firm to win a **₹ 60 Cr contract**, the largest in company history.
- Built a drag-and-drop flow editor (ReactFlow, Next.js, Dagre, Zod) that enables LangGraph style authoring, reducing workflow creation time by 80% and unlocking complex multi-agent orchestration for enterprise clients.
- Created internal **component library** with 1:1 mapping to Figma tokens via Figma MCP & Code Connect, reducing design-to-code variance to less than 2 px on average and boosting UI build speed by 50%.

### ShipFreight

Chennai, Tamil Nadu

#### Lead Software Engineer (Founding Engineer)

Sep 2024 – Mar 2025

- **Built & launched** a full-stack B2B freight forwarding application from scratch (MVP in 5 months), overseeing ideation, architecture, and production readiness while adhering to Agile methodologies.
- **Architected** a modular, layered codebase (React.js/Next.js, TypeScript, PostgreSQL, Drizzle ORM) allowing seamless decoupling of each service and **orchestrated key features** like RBAC-based authentication, email workflows, onboarding tours, currency conversion markups, push notifications (PWA), and CI/CD pipelines.
- Designed and delivered a scalable front-end interface with Tailwind CSS, yielding improved user navigation and interaction; reduced onboarding time for new users by 30%, enhancing overall user retention and satisfaction.
- Led a team of 5, assigning tasks and mentoring on clean code, version control, and modern web development practices.

### SAP Labs India

Bengaluru, Karnataka

#### Software Developer

Jul 2021 – Sep 2024

- Spearheaded as the **lead for front-end development** in the Travel vertical of **SAP Concur**, collaborating with global teams to modernize internal and client-facing micro-frontend UIs, enhancing usability and accessibility.
- Developed features for the Expense vertical in React and GraphQL microservices and implemented streamlined endpoints, achieving seamless data flow between front-end and back-end systems, and reducing response times by 20%.

#### Associate Software Developer

- **Redesigned and revamped** a large class-component-based app into functional components (React, Redux, Sass, ESLint) achieving a **30% performance boost** (Lighthouse report) while eliminating critical bugs and improving user experience.

## ACHIEVEMENTS

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### Smart India Hackathon, Government Of India

Kolkata, West Bengal

#### Winner

Mar 2018

- Developed a chatbot (Python, Google Dialogflow) for the **Ministry of AYUSH**, providing real-time guidance on holistic medicine, Ayurveda, and wellness resources. Earned a **₹2 lakh grant** to further enhance and deploy the solution.

## EDUCATION

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### Amrita Vishwa Vidyapeetham

Coimbatore, Tamil Nadu

Bachelor of Technology - Computer Science

Jul 2017 - Jul 2021

## SKILLS

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**Frontend:** React.js, Next.js, Javascript (ES6), TypeScript, HTML5, CSS3, Tailwind CSS, Sass, Redux, Zustand, Framer Motion

**Backend:** Java, SpringBoot, PostgreSQL, GraphQL, Node.js, Drizzle ORM, NextAuth, BetterAuth, Supabase

**Tools:** Jira, Git, Storybook, Zod, Jest, Vitest, ESLint, Prettier, Sentry, Sanity CMS, Figma, Docker, OpenLayers, OpenTelemetry