PRAMUKH SHARMA R H

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PERSONAL PROFILE

- AI Full Stack Developer and Lead Software Engineer with 3+ years of experience building enterprise-grade web applications, AI-powered platforms, and data visualization systems.
- Currently driving two parallel product lines at Dynpro: leading Kairos Predictium BI dashboard (Next.js 16, React 19, Snowflake) and building the GlobalITOps ChatOps Platform for Philips via DXC Technology using LangGraph, Azure OpenAI (GPT-4o), and FastAPI.
- Proven track record of measurable results -- 50% improvement in database processing efficiency, 40% reduction in app crash instances, and end-to-end delivery from design to production within 3 months.
- Deep expertise in agentic AI workflows, multi-agent orchestration, RAG pipelines, and LLM observability, combined with strong frontend and backend engineering across React, Next.js, Node.js, and Python.
- Experienced in agile cross-functional teams; comfortable owning the full product lifecycle -- architecture, development, deployment, and performance optimization.

WORK EXPERIENCE

Software Engineer (AI Full Stack) | DynPro Inc. Feb 2026 - Present | Bengaluru, India (Remote)

GlobalITOps ChatOps Platform -- Philips via DXC Technology

- Built an AI-powered IT Operations platform enabling employees to query CMDB, search knowledge bases, analyze infrastructure logs, and trigger automated incident workflows through a conversational chat interface.
- Developed a responsive React (Vite) frontend with modular display components for RCA analysis, CMDB lookups, KMS search, and infrastructure metrics dashboards.
- Integrated LangGraph agentic workflows with real-time polling and session-based conversation management for multi-agent task execution.
- Built a PDF export engine using jsPDF + html2canvas with smart page-break detection and structured RCA report rendering.
- Worked with Azure OpenAI (GPT-4o), FastAPI backend, PostgreSQL, and Elasticsearch for semantic search and log analysis.
- Collaborated on incident RCA automation, multi-agent workflow execution, and Langfuse observability integration for LLM tracing and monitoring.

Tech: React, JavaScript, Vite, FastAPI, Python, LangGraph, Azure OpenAI, PostgreSQL, Elasticsearch, Langfuse

Lead Software Engineer | Dynpro India Pvt. Ltd. Jan 2026 - Present | Bengaluru, India (On-site)

Kairos Predictium -- Enterprise Data Visualization Platform

- Led end-to-end development of Kairos Predictium, an enterprise BI platform built from scratch for high-volume business intelligence -- delivered independently from design to production in 3 months as project lead.
- Architected the full platform using Next.js 16, React 19, and TypeScript, covering initial system design, component architecture, and production deployment pipeline.
- Engineered a secure, role-based backend integrating Snowflake SDK for high-volume data querying, protected by NextAuth and custom Two-Factor Authentication (2FA) via otplib.
- Designed a highly interactive UI using Material UI (MUI) and react-grid-layout, enabling users to build fully customizable data views and export dynamic Recharts visualizations to PDF.
- Optimized performance and state management using Zustand and React Query, reducing redundant API calls and improving client-side caching.
- Led the migration of the BI dashboard from LookerML to Looker Studio, rewriting the codebase from PHP Laravel to Next.js and TypeScript while maintaining full feature parity.

Tech: Next.js 16, React 19, TypeScript, Snowflake, NextAuth, Material UI, react-grid-layout, Recharts, Zustand, React Query

Full-Stack Developer | Cresc Datasoft Pvt. Ltd. Nov 2023 - Jan 2026 | Bengaluru, India (On-site)

BDS Web Application

- Developed a high-performance data management module enabling seamless data insertion and modification, achieving a 50% boost in database processing efficiency.
- Leveraged ReactJS hooks and lifecycle methods to resolve critical performance bottlenecks, resulting in a 40% drop in crash instances and a 25% improvement in loading speeds.
- Architected and implemented a data extraction feature to export structured MongoDB records directly to Excel, enhancing reporting capabilities for business users.

- Optimized MongoDB schemas and aggregation pipelines for efficient data retrieval, integrity, and scalability.

HRMS Portal

- Designed a login module integrating both JWT and OTP-based authentication methods.
- Developed RESTful APIs using Node.js and Express.js for HRMS functionalities: attendance tracking, employee information management, and time-punching.
- Implemented server-side business logic using MongoDB aggregation pipelines for complex reporting and analytics.
- Contributed to sprint planning, daily stand-ups, and code reviews within an Agile/Scrum framework.

Tech: React.js, Node.js, Express.js, MongoDB, PHP, Laravel, JWT, REST APIs

TECHNICAL SKILLS

AI / ML	LangGraph, Azure OpenAI (GPT-4o), FastAPI, Python, Langfuse, LLM Observability, Agentic Workflows, RAG
Frontend	React.js, Next.js (v16), TypeScript, JavaScript, Vite, Angular, HTML, CSS, TailwindCSS, Bootstrap, Material UI (MUI), react-grid-layout, Recharts
Backend	Node.js, Express.js, FastAPI, Python, PHP, Laravel
Databases	MongoDB, PostgreSQL, MySQL, Snowflake SDK, Elasticsearch
State & Data	Zustand, React Query, jsPDF, html2canvas
Auth & Security	JWT, OTP/2FA (otplib), NextAuth, Role-based Access Control
DevOps & Tools	Git, GitHub, Bitbucket, JIRA, Confluence, Scrum/Agile, Vite

PROJECT EXPERIENCE

Personal Portfolio Website

Built a fully custom single-file portfolio site in React.js with a 3D animated starfield canvas, AI-powered Job Description Analyzer, conversational Lazy Bot, dark mode, and interactive resume modal. Deployed on Netlify.
https://pramukh-profile.netlify.app

Weather App

Responsive React + TailwindCSS web app fetching real-time weather data from OpenWeather API with location-based auto-detection.

Health-based Food & Restaurant Recommendation System

Personalized recommendation engine tailored to user health profiles and dietary preferences, using a custom algorithm with iterative testing.

EDUCATION & CERTIFICATIONS

B.Tech in Computer Science | Reva University, Bengaluru | 2019 - 2023 | CGPA: 9.2

- Cloud Computing Basics -- Udemy
- Python Programming -- Udemy

PERSONAL DETAILS

D.O.B: 18th September 2001 Languages: Kannada, English, Telugu