MILIND KUMAR MISHRA

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> Frontend software engineer specializing in React, Next.js, and high-performance UI engineering. Skilled in building scalable, user-centric web applications with strong foundations in component architecture, design systems, performance optimization, and accessibility. Experienced in shipping AI-integrated SaaS platforms to large user bases. Active contributor to the React ecosystem and frequent speaker at community meetups.

EXPERIENCE

Product Engineer
February 2025 — Present

Foyer (Merlin AI & Thine)

Product engineering ownership across Merlin AI and Thine, spanning core platform maintenance, growth, payments, churn reduction, and revenue-impacting product initiatives, alongside high-performance frontend development.

- Took end-to-end ownership of Merlin AI's platform health, including maintenance, stability, and production issue resolution across critical user flows.
- Led payments and subscription lifecycle improvements, optimizing billing reliability and reducing payment-related drop-offs.
- Designed and shipped churn-reduction strategies across cancellation and downgrade flows, directly improving customer retention.
- Drove revenue-focused product updates by identifying high-impact user friction points and shipping meaningful feature improvements to retain and upsell users.
- Shipped ChatGPT Imports UI, enabling 10,000+ users to migrate chat history seamlessly and accelerating product adoption.
- Built project-based chat history pages, improving navigation clarity and increasing session retention by 15%.
- Revamped the Model Selector, boosting model adoption by 80% and improving user satisfaction by 30%.
- Led real-time prompt and streaming UX enhancements, supporting smooth, responsive interactions for 2M+ users.
- Engineered animation-centric product experiences for Thine's web platform with a strong focus on visual storytelling and brand expression.
- Developing an interactive landing page featuring a video timeline to communicate product narrative and value.
- Implemented advanced split-text and motion-driven animations to elevate engagement across manifesto and marketing pages.

Software Engineer
December 2024 — February 2025

SARAL - The Influencer OS

Built core features and internal tools improving efficiency and decision-making for influencer campaigns.

- Delivered revamped dashboard—reduced onboarding and insight delivery time by 30%.
- Engineered a multi-select drag-and-drop feature for campaign management, increasing ops efficiency by 40% for large-scale campaigns.
- Built a content submission system to streamline influencer-brand collaboration, reducing content approval times by 60%.
- Enhanced real-time campaign metric tracking, empowering managers with data to improve campaign ROI by up to 20%.

Founding Product Engineer
June 2024 — December 2024

Proof-of-Skill Protocol

Architected and launched a decentralized skill validation protocol, revolutionizing unbiased, transparent candidate evaluation for tech hiring.

- Led MVP development for validators, candidates, and recruiters.
- Designed and implemented a voting-based consensus algorithm to ensure fair and transparent skill validation across a network of 150+ validators.
- Built proctored assessment workflow with real-time streaming, cutting time-to-interview by 50%.
- Launched recruiter dashboard with skill heatmaps, driving smarter hiring for 20+ partners.
- Scaled cloud infra (EC2, NGINX, PM2, Next.js) to support 5000+ actions on the platform.

Independent Contractor
February 2024 — May 2024

Freelance

Delivered AI-powered products for hiring and skills validation as an independent engineer.

- Built recruiter analytics platform with advanced candidate search.
- Engineered an AI-powered quiz system with Vercel AI SDK and OpenAI.
- Deployed scalable Next.js UIs with AI workflow integration.

Software Engineer
August 2023 — January 2024

StartupHire

Built marketing pages and platform features.

- Collaborated with team to build recruiting pipeline, reducing manual work for hiring managers.

Research Assistant
February 2023 — July 2023

National Yang Ming Chiao Tung University

Built and optimized indoor positioning system interfaces for a cutting-edge IoT research project.

- Developed a frontend for an MQTT-powered indoor positioning platform to visualize real-time data from IoT devices.
- Enhanced UWB positioning accuracy from 20cm to under 10cm—significantly improving research outcomes.
- Enabled 3D real-time visualization of tracking data for production ready factories and research labs.

Software Engineer
July 2022 — January 2023

Locus Connect

Developed core 3D visualization and internal infra tools for proprietary IoT positioning solutions.

- Produced frontend for 3D positioning platform, supporting live deployments.
- Created and maintained the marketing site for B2B outreach.
- Dockerized and maintained internal services, achieving 99.9% uptime and cutting deployment times by 80%.

UX Designer
May 2022 — June 2022

iNeuron.ai

Designed intuitive user experiences and managed design systems for ed-tech platforms.

- Created user flows for hiring and onboarding.
- Managed a scalable design system, increasing developer velocity by 30%.
- Crafted marketing collateral for two campaign launches, contributing to a 20% increase in lead generation.

Technical Writer
January 2022 — April 2022

Plusklass

Authored and curated technical content for HTML/CSS/JS modules, driving learning impact for novices.

- Created beginner-friendly learning content adopted by 2,000+ new users.
- Structured and reviewed curriculum, improving student course completion rates by 40%.

OPEN SOURCE CONTRIBUTIONS

streamdown
vercel/streamdown

feat: add table markdown copy and csv/markdown download options #99

feat: add download functionality to code blocks #102

feat: add image download functionality with hover controls #103

ai-elements
vercel/ai-elements

feat: add speech to text input to prompt area and update test and example apps #112

PROJECTS

Thine Landing
November 2025

www.thine.com

Animated landing experience for Thine, a reflective AI companion.

- Delivered smooth transitions, scroll animations, and expressive motion design.
- Designed with Tailwind, Framer Motion, and custom animation systems.
- Optimized for fast load performance and emotional impact.

Models Surf
September 2025

models.surf

Interactive directory for exploring, filtering, and comparing AI models and their capabilities.

- Built lightweight searchable UI optimized with virtualization.
- Designed for discoverability and developer-first exploration.
- Open-source and built with clean modular architecture.

Merlin Projects
August 2025

www.getmerlin.in/chat/projects

AI-powered personal knowledge base for collecting, organizing, and querying content with contextual understanding.

- Supports search and retrieval using LLMs and RAG patterns.
- Built for organizing web links, notes, and documents into a unified knowledge layer.
- Optimized around latency and streaming user workflows with React Query.
- Delivered frictionless knowledge exploration through a clean interface.

TypeScript Playground
August 2025

ts.milind.app

Modern browser-based TS/JS playground with real-time execution and console output.

- Built using TypeScript Compiler API for accurate diagnostics and evaluation.
- Open-source tool used by learners and interviewers.
- Smooth execution sandbox with intuitive editor-console interactions.

Rizzboard
August 2025

rizzboard.milind.app

Fun meme soundboard where your most played sounds float to the top.

- Built with delightful animations using Framer Motion.
- Persistent state using Zustand for ranking and usage tracking.
- Lightweight, fast and mobile-responsive.

Saral Admin Dashboard
January 2025

milindmishra.com/project/saral-admin-dashboard

Revamped Saral's admin dashboard with improved design system and visibility of operational metrics.

- Reduced onboarding time and improved data discoverability for internal teams.
- Delivered clean, intuitive UI powered by TanStack Router and Framer Motion.
- Improved insights and data aggregation flow across modules.

JSON Visualizer
October 2024

jsonvisualiser.com

Interactive visualization tool for nested JSON data structures to aid debugging and comprehension.

- Supports large datasets with efficient tree traversal and grid views.
- Used by hundreds of developers for integration debugging and backend validation.
- Praised for clarity, performance, and usability compared to alternatives.
- Open-source and referenced within developer community discussions.

AI Roadmap Generator
August 2024

airoadmapgenerator.com

Generates personalized learning paths leveraging LLMs and interactive visualizations.

- Built using Next.js, React, TypeScript, Canvas, and LLMs; used by thousands of engineers.
- Generated 250+ roadmaps and attracted over 5,600 unique visitors organically.
- Delivers real-time structured roadmap generation with intuitive navigation.
- Open-source with privacy-friendly sharing, topic clustering, and recommendations.
- Led full-stack architecture, visualization engine, and complete product UX.

EDUCATION

National Yang Ming Chiao Tung University
February 2023 — July 2023

Short Term Research Program, Computer Software Engineering

Visvesvaraya Technological University
August 2018 — January 2022

Bachelor of Engineering, Electronics and Communication

CERTIFICATES

Next.js App Router Fundamentals
Vercel

Animations on the Web
animations.dev

AI for React Developers *LinkedIn Learning*

React: Design Patterns *LinkedIn Learning*

React: State Management *LinkedIn Learning*

React (Basic) *HackerRank*

TALKS

Mastering ViewTransition in React for Stunning UI Updates *November 2025*

React Play Bengaluru Meetup

View transition animation and animation devtooling talk.

Building Real-Time Applications with Reactive Databases *May 2025*

React Play x React Bangalore Meetup

Real-time applications with React and Convex.

AI for React Developers *April 2025*

React Bangalore Meetup

A deep-dive into Vercel's AI SDK.

SKILLS

Frontend Product Engineering

React   Next.js   TypeScript   Modern JavaScript   UI Architecture   Component Design   State Management

Performance Optimization   Responsive Design   Accessibility

Product & UX

User Experience (UX)   UI/UX Design   Figma   Workflow Optimization   Human-Centered Design   Rapid Prototyping

Usability Testing

AI Product Integration

OpenAI APIs   AI-Driven UX   Prompt Engineering   Conversational Interfaces   Real-time Applications

Cloud & DevOps

AWS Basics (EC2, S3, CloudFront)   GCP   CI/CD Pipelines   Docker   Deployment Automation

Collaboration & Product Delivery

Product Management   Agile Delivery   Team Collaboration   Cross-functional Communication   Documentation

Stakeholder Alignment

REFERENCES

> *100% AGREE! Also, the way team has launched the project is commendable. This is by far the most successful project launch on Peerlist - Appreciation on AI Roadmap Generator launch!*
>
> *— Akash Bhadange (CEO, Peerlist)*