

# Subhash Mahimaluri

Lead Software Engineer | React Architect | Frontend Lead | Next.js | React Native | AI Engineer | 15+ Yrs

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## Professional Summary

**React Architect & Lead Software Engineer** with **15+ years** building **high-scale SaaS platforms** and **cloud-native applications** for **Fortune 500 enterprises**. Expert in **Frontend Architecture (React, Next.js, Micro Frontends)**, **React Native mobile development**, and **AI/LLM Integration (RAG, Vector DBs)**. Proven hands-on engineering leader driving **end-to-end product development** and **cross-functional and distributed team delivery** across **web, iOS, and Android**. Track record of **optimizing system performance by 40%**, **reducing infrastructure costs by 25%**, and delivering **production-grade AI solutions**. Open to Germany/EU relocation with EU Blue Card sponsorship.

## Professional Experience

### Frontend Tech Lead

#### Yexaa Technologies FZCO

Dubai, United Arab Emirates | Jul 2025 - Present

- Led the end-to-end design and development of **PlanBPass**, a production-grade **AI-driven SaaS platform** delivering structured decision support across **Web, iOS, and Android**
- Architected the complete product stack including **Next.js / React** web frontend, **React Native** mobile applications, **Node.js** services, **Supabase/PostgreSQL** backend, and cloud infrastructure
- Designed and implemented a production-ready **AI Advisor system**, leveraging **LLM orchestration**, **Retrieval-Augmented Generation (RAG)**, and advanced prompt engineering to deliver context-aware, reliable responses
- Built and shipped **React Native CLI** mobile apps with **Push Notifications (FCM/APNs)**, **Social Authentication (Google, Apple)**, **Subscriptions**, and **In-App Purchases**, ensuring full **App Store** and **Play Store** compliance
- Successfully published and managed live mobile applications on **Apple App Store** and **Google Play Store**, owning release pipelines, versioning, and store review processes
- Delivered high-performance web experiences, achieving **100/100 Lighthouse scores** through optimized **React**, **Next.js**, and **TypeScript** implementations with sub-second load times

#### GatheredHQ — Digital Menu & Restaurant SaaS (2025)

- Led the end-to-end migration of **GatheredHQ** from a Base44 prototype to a production-grade **Next.js SaaS platform**, establishing a scalable foundation for long-term growth
- Architected a multi-restaurant, role-based SaaS backend using **Supabase (PostgreSQL)** with **Row Level Security (RLS)**, supporting Owners, Managers, and Waiters across multiple restaurants
- Designed and implemented a centralized backend architecture, enabling seamless consumption by Web (**Next.js**) and future mobile applications, independent of frontend uptime
- Built a secure onboarding and restaurant setup flow, allowing owners to create and manage multiple restaurants, staff roles, menus, and QR-based public menu pages
- Implemented high-performance, SEO-friendly public menu pages with optimized **Next.js rendering** and mobile-first UX
- Established Agile delivery process as Product Owner, working closely with the client through weekly sprints, pilot feedback, and iterative feature refinement
- Delivered a live MVP within one week, enabling real-world pilot deployment in a restaurant environment
- Ensured production readiness through schema design, migrations, defect stabilization, and QA workflows during pilot rollout

**Technologies:** Next.js, React, TypeScript, Supabase, PostgreSQL, RLS, Tailwind CSS

## Principal Engineer | Technical Lead

### Zensar Technologies

Bengaluru, India & Warwick, UK | Apr 2022 - Jul 2025

- Led **enterprise-grade SaaS applications** and **cross-functional engineering teams** for **Fortune 500 clients** including Shell and National Grid
- Designed **CI/CD pipelines** reducing deployment cycles from **weekly to daily** with **90%+ test coverage**

### National Grid UK (1+ Year)

- Built enterprise UI with **Next.js (SSR), React 18, TypeScript** with reusable component architecture
- Designed **AWS CI/CD pipelines (CodePipeline, Lambda, S3, CloudFront)** → **weekly to daily deployments**
- Achieved **90%+ test coverage** with **Vitest & Playwright** and **25% faster API responses**
- Owned **frontend architecture** decisions, standards enforcement, and cross-team collaboration

**Technologies:** Next.js, React 18, TypeScript, Node.js, AWS, Vitest, Playwright

### Shell AI Assistant (1 Year)

- Designed **enterprise AI assistant** using **OpenAI-based LLMs** and **production RAG pipelines, FAISS/Pinecone, Node.js microservices**
- **Fine-tuned GPT models** → **reduced support tickets by 20%** with context-aware responses
- Integrated **Azure services (CosmosDB, Redis Cache)** → **25% lower latency, 15% infrastructure savings**

**Technologies:** React, TypeScript, LLMs, RAG, FAISS, Pinecone, Azure, Node.js

### Shell FleetHub Modernization (1.5 Years)

- Led **React 18 + TypeScript** modernization with **Redux Toolkit + RTK Query** → **40% faster load times**
- Adopted **Micro-Frontend architecture** with **Module Federation** for independent deployments
- Optimized **Azure cloud infrastructure** with **Auto Scaling, Load Balancers, Redis caching**

**Technologies:** React 18, TypeScript, Redux Toolkit, Module Federation, Azure, Jest, Playwright

## Lead Software Engineer

### Yexaa Consultancy Services

Bengaluru, India | Jan 2021 - Mar 2022

- Delivered **full-stack SaaS projects** for **fintech and e-commerce clients** using **React, TypeScript, Node.js, GraphQL, AWS**
- Architected **Node.js APIs** with **MongoDB & DynamoDB** serving **100K+ daily users**
- Deployed **serverless microservices (AWS Lambda)** with **CloudFront CDN** → **40% performance improvement**
- Built **component libraries & design systems** reducing development effort by **25%**

## Technical Expertise

**Core Skills:** React • Next.js • TypeScript • JavaScript • React Native • Frontend Architecture • Micro Frontend • Module Federation • Node.js • REST API • GraphQL • AWS • Azure • Docker • CI/CD • AI Integration • LLM • RAG • SaaS Architecture • Cloud Native

### Frontend Technologies

React.js (8+ years), Next.js, TypeScript (6+ Years), Redux/Context API, HTML5, CSS3, Tailwind CSS, Styled Components, Webpack, Vite, Module Federation, React Native (iOS & Android), Design Systems, Monorepos (Nx/Turbo)

### Cloud & DevOps

AWS (3+ Years), Azure (3+ Years), Azure DevOps, Docker, Kubernetes, CI/CD, GitHub Actions

### Backend & APIs

Node.js (5+ years), Express.js, Python (3+ Years), GraphQL, REST APIs, Microservices, MongoDB, PostgreSQL, Redis, Supabase

### Testing & Quality

Jest, Vitest, React Testing Library, Cypress, Playwright, TDD/BDD, 95%+ code coverage

## AI & Automation

OpenAI, LangChain, LLMs, RAG, AI Agents, n8n, Prompt Engineering

## Architecture & Design

Micro-Frontends, Distributed Systems, Cloud-Native, API/BFF Patterns, Event-Driven Systems, AI-Augmented Solutions

## Work Authorization

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Right to Work: Requires EU Blue Card / Visa Sponsorship | Degree Recognized in Germany

## Education

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**MBA** - Technology Management

**Bachelor's** - Computer Science

## Certifications

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- AWS Certified Developer
- NodeJS Developer Certification
- React JS Advanced

## Languages

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**English:** Fluent

*References and detailed portfolio available upon request*