

# AMAAN KHAN

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## SKILLS

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<b>Frontend Development</b>	React, React Native, Next.js, TailwindCSS, TipTap, Prosemirror
<b>Backend Development</b>	TypeScript, JavaScript, Node.js, Python, REST APIs, GraphQL
<b>AI/ML Engineering</b>	LangChain, LangGraph, Vector Databases, Knowledge Graphs, Neo4j, Claude API, OpenAI API, AWS Bedrock, Google Document AI
<b>Cloud &amp; DevOps</b>	AWS (Lambda, S3, EC2), Docker, CI/CD, Terraform
<b>Databases</b>	PostgreSQL, MongoDB, DynamoDB, ElasticSearch
<b>Testing &amp; Tools</b>	Jest, Vitest, Cucumber, Playwright, Git, Agile Methodologies

## EXPERIENCE

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**Full Stack Engineer & Engineering Lead** May 2023 - Present  
TopLegal *Germany - Remote*

- Architected and implemented a distributed contract analysis system using microservices architecture with Node.js and TypeScript, processing 1000+ documents daily
- Designed fault-tolerant document processing pipeline using AWS Step Functions and Lambda, achieving 99.9% uptime and 70% faster processing
- Implemented real-time collaboration using Operational Transformation with TipTap and WebSocket, supporting 20+ concurrent users with <math>j</math>100ms latency
- Built scalable knowledge graph system using Neo4j and TypeScript, processing 100K+ legal entities with custom Cypher queries
- Optimized document processing with parallel workers and Redis caching, reducing API response times by 60%
- Led migration to event-driven architecture using AWS EventBridge, improving system extensibility and reducing coupling
- Mentored team of 6 engineers, established code review practices, and implemented trunk-based development workflow

**Technical Lead** Dec 2021 - April 2023  
Propelius Technologies *Surat, IN*

- Designed and implemented an e-commerce admin dashboard using Retool, resulting in a significant increase in revenue by 28%.
- Improved team efficiency by 40% through effective mentorship and guidance on new technologies and best practices.
- Collaborated with cross-functional teams to ensure successful product launches and timely delivery of projects, resulting in a 20% increase in revenue.

**Full stack engineer** Dec 2020 - April 2023  
Propelius Technologies *Surat, IN*

- Spearheaded development efforts on a Next.js-based CRM from scratch, using Material UI for React and implementing Kan-Ban UI with real-time updates, resulting in a beautiful UI and seamless user experience.
- Increased customer satisfaction by 25% through successful integration of backend frameworks like Django with front-end technologies.
- Improved application performance (for EasyCall) by optimizing code and integrating with various services such as Crisp, Gorgias, Shopify, WordPress, Wix, and Cafe24, resulting in a 15% increase in customer retention.

**Full stack engineer** May 2019 - Nov 2020  
Zypac Infotech *Surat, IN*

- Developed full-stack web applications using various technologies such as LAMP and MERN, resulting in a seamless user experience and improved customer satisfaction.
- Successfully developed custom WordPress and WooCommerce plugins, resulting in a 30% increase in website functionality and customer engagement.

## Backend engineer

Unofox Pvt. Ltd.

Aug 2018 - Jan 2019

Surat, IN

- Creating REST APIs for financial apps using PHP
- Implemented frontend for B2B marketplaces using JavaScript, HTML & CSS

## TECHNICAL LEADERSHIP

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- Led architectural decisions for microservices migration, reducing deployment time by 65% and improving system reliability
- Established coding standards and implemented automated code quality checks using ESLint and SonarQube
- Created technical documentation framework using GitBook, improving onboarding time for new developers by 50%
- Conducted weekly architecture review sessions and technical deep-dives, raising team's system design capabilities

## PROJECTS

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### Hospi-OS

**Tech Stack:** TypeScript, Next.js, Node.js, PostgreSQL, Supabase, WebSocket

- Implemented HIPAA-compliant real-time synchronization using Supabase's PostgreSQL pub/sub system
- Designed event-sourcing architecture for audit trails, tracking 100+ types of healthcare events
- Built responsive SPA with Next.js and TailwindCSS, achieving 98+ Lighthouse performance score
- Implemented role-based access control system supporting 5+ user roles and custom permissions

### EasyCall

**Tech Stack:** Nuxt.js, Node.js, PostgreSQL, Twilio, WebRTC

- Architected WebRTC-based call routing system handling 1000+ concurrent calls
- Implemented custom call queuing algorithm reducing wait times by 40%
- Built real-time analytics dashboard with Socket.io and Chart.js

**Power Sales.** Developed Power Sales, a comprehensive CRM app, with Next.js and Django. Its features include a deals pipeline, contact management, sales pipeline analytics, team attendance, and appointment scheduler. Integrated with Facebook, IndiaMart, and Justdial, it ensures a seamless user experience on both tablets and desktops. With efficient lead management and streamlined workflows, it has empowered sales teams with data-driven insights, resulting in a 25% increase in sales.

**Unify.** Developed and implemented Unify, a robust personal finance management application using React Native and Typescript. Leveraged the **Saltedge** bank provider to facilitate seamless integration of user bank accounts, enabling comprehensive analysis of transactions and bills within the app. Designed and implemented visually appealing custom graphs to present financial data effectively. Additionally, provided advanced features such as future bill prediction and money-saving tips to enhance user engagement and financial planning capabilities.

## EDUCATION

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Diploma in Information & Technology - 9.2

2016-2019