Haris Khan

Experienced self-managing high performing software engineer and mentor
with a focus on building engaging & accessible digital experiences

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Experiences

Senior Engineer/Team Lead of AI Studio • eOcean   Jan 2025 - Present

- **Spearheaded** the build of a real-time semantic voice-and-app review system (incorporating Whisper, OpenAI, Gemini, DeepSeek) that processes **5,000+ reviews/month**, cutting latency by **60%** and driving a **30% increase in actionable insights**.
- **Engineered** a scalable WhatsApp chatbot for SIM sales and bundle marketing—integrating PayFast, auto-inventory, which enabled **2,000+ transactions/month**, reduced inventory errors by **85%**, and boosted bundle uptake by **25%** within three months.
- **Architected** a rule-based WhatsApp/IVR chatbot using Redis, BullMQ, Node.js with dynamic blackout/fallback channels, supporting **20,000+ daily interactions** and slashing failure rates by **70%**, delivering **99.9% uptime**.
- **Developed** a hybrid in-app/push notification platform using React Native, Firebase FCM, SQLite, background-service libraries and socket streams, achieving **98%+ delivery success** for privacy-sensitive Android workflows with real-time tracking which is currently in usage by **Nayapay, Kistpay & NBP Bank.**

Senior Engineer • Kistpay   Aug 2024 - Present

- Built, designed, and revamped the internal **B2C** Loan Management Portal, **B2B** Partner/Telcos Portal, and their International Landing Pages in a **6-week agile cadence** using Next.js, React, JavaScript, TypeScript, ExpressJS, and CSS – boosting portal **performance by 45%**

Software Engineer • Kaispe   July 2022 – Aug 2024

- Led development of multiple **B2B** SaaS products (**Vendor Portal, Auto Recruit, KPOD**) in **8-week agile sprints**, driving a **15%** increase in overall operational efficiency using React, Next.js, Node.js, CSS, Kotlin, React Native, Python, MySQL, MongoDB & Azure Pipelines
- Engineered the POD Mobile App using **Google Maps API** and an **A* genetic algorithm** for cost-effective routing, boosting delivery efficiency by **30%** for **BSI Steel Ltd in South Africa**
- Developed AI-driven features with **Azure OpenAI GPT-3.5** and Azure Cognitive Services to optimize job descriptions and candidate matching on Auto Recruit & Vendor Portal by integrating **MyJobMate** and **MyProcureBot** AI, optimizing candidate matching to improve talent acquisition **efficiency by 25%** and elected for **P@SHA Award 2023**
- Enhanced security & UX across platforms by implementing Azure AD SSO, customizable RBAC, and integrating both **Stripe** and **PayPal** payment gateways, to onboard customers by **40%**

Software Engineer Intern • NanoSoft Tech   April 2022 – June 2022

- Designed, developed, and maintained native Android applications using Kotlin, Java & React Native enhancing responsiveness and boosting user satisfaction by **12%**
- Leveraged Node.js, Datatables, and JSON to integrate REST APIs, streamlining backend communication and reducing data latency by **5%**
- Implemented precise UI designs in the SellNow MarketPlace App, optimizing usability and driving a **20%** increase in user engagement.
- Executed design implementations for the Airport Ticketing App, refining user flows and enhancing transaction efficiency by **15%**

Skills

Front-end Development
HTML / CSS / JavaScript / TypeScript / React / React Native / Next.js / Tailwindcss / Sass / Android Native / Redux / React Query

Back-end Development
Node.js / MongoDB / MySQL / Postgres / Express js / GraphQL / Monolithic / Microservices / Redis / Serverless / Sequelize / Apollo Server / Supabase / Firebase / Flask / Django / DRF

AI
Basic AI/ML Algorithms / OpenAI / Gemini / Deepseek / ElevenLabs / Chunking / Tokenization / OpenCV / RAG Applications / AI agents / Langchain / Vector DB

Cloud
Git / Docker / Azure / AWS / Vercel / Github Actions

Other Languages
Python / Java / Go / C++ / Kotlin

Soft Skills
Communication / Teamwork / Time management / Adaptability / Creativity / Problem solving / Conflict Resolution

Certificates
Complete React Developer in 2023 (w/ Redux, Hooks, GraphQL) - Link

Education
BS in Computer Science
FAST NUCES   Aug 2018-Aug 2022
Real-time Skin Disease Detection on Smartphone Camera (FYP)
- Developed a cutting-edge mobile app using OpenCV for real-time skin disease detection, achieving **75% accuracy** and reducing diagnostic time
- Enhanced model efficiency by leveraging **MobileNet V2** and **LSTM** for transfer learning, cutting inference latency by **30%**
- Facilitated seamless doctor consultations, elevating medical resource accessibility and significantly **improving user experience**