

YABISH ARFATH KT

Full-Stack Developer | Development Lead | AI-Integrated Web & Data Systems

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PROFESSIONAL SUMMARY

Full-Stack Developer and Development Lead with 7+ years of experience designing and delivering web, mobile, and data platforms across e-commerce, retail, and enterprise systems in India, the UAE, and Saudi Arabia. Proven track record building production systems in NestJS, Next.js, Angular, and Flutter, and integrating AI/LLM capabilities (Claude API, DeepSeek API, computer vision) into analytics and reporting products. Strong background in data engineering, ZATCA-compliant e-invoicing, and multi-tenant SaaS architecture, with excellent client communication and end-to-end ownership from requirements to deployment. Works in close coordination with top management and operations teams to translate business priorities directly into shipped technical solutions.

CORE SKILLS

Languages & Frameworks: JavaScript, TypeScript, Angular 12+, NestJS, Node.js, Next.js, React, Flutter, HTML5, CSS3, Tailwind CSS, Bootstrap, RxJs

AI & Data Engineering: Claude API, DeepSeek API, LLM Integration, Retrieval-Augmented Generation (RAG), Text-to-SQL, Prompt Engineering, YOLOv11 & ByteTrack (Computer Vision), pgvector

Databases & Storage: PostgreSQL, TimescaleDB, MongoDB, SQL Server, Firebase, Prisma ORM

Business Systems & Integrations: ZATCA E-Invoicing Integration (Phase 1 & 2), Power BI Development & Embedded Analytics, Google Maps Integration, Payment Gateway Integration, n8n Workflow Automation, ETL Pipelines

Cloud, DevOps & Server Management: AWS, On-Premises & Cloud Server Administration, Server Monitoring & Observability Tools, Docker & Containerization, CI/CD Pipelines & Automated Deployment in git, Firebase Cloud Messaging, Git

Other: Agile Software Development Methodology, GSAP, ThreeJS, Odoo / ERPNext

PROFESSIONAL EXPERIENCE

Full-Stack Developer & Technical Lead — Al-Sadhan Group

Aug 2024 – Present

Riyadh, Saudi Arabia — Al-Sadhan & Spar brands

- Serve as full-stack developer and technical lead across the group's retail brands (Al-Sadhan and Spar), owning architecture and delivery for e-commerce, in-store, and data systems.
- Architected an AI-powered retail analytics platform (on-premise NestJS backend, Next.js frontend, Claude AI API) delivering automated sales, waste, and inventory insights piloted across multiple stores.
- Built a NestJS, PostgreSQL, and TimescaleDB data warehouse streaming real-time sales data from an on-premise SQL Server head-office instance, plus an embedded Power BI reporting solution (App-Owns-Data model) with store-level access control.
- Developed a computer-vision CCTV analytics system (YOLOv11 + ByteTrack) for in-store people-counting and heatmap generation.
- Designed, built, and deployed spar.sa end-to-end: a bilingual (Arabic/English, full RTL) multi-store self-ordering platform, including a multi-store admin system for users, roles, stores, categories, and sales reporting.
- Delivered ZATCA Phase 2 e-invoicing compliance with per-store EGS registration and QR-coded invoices, plus category-aware Kitchen Order Ticket (KOT) routing and GA4/Microsoft Clarity analytics.
- Built a custom B2B Supplier Vendor Portal for the group's supply-chain operations, with 3 roles and dynamic permissions.

Full-Stack Developer (Freelance)

Jan 2023 – Jul 2024

Remote — Clients in Dubai, Saudi Arabia, and India

- Delivered 10+ web and mobile applications for clients across the UAE, Saudi Arabia, and India, following current design and architecture principles to build future-proof, scalable products.
- Built a Human Resource Management (HRM) system for a 200+ employee company covering task tracking, leave management, and check-in/check-out with a role-based admin panel.
- Delivered an NFC-powered digital business card platform (B2C and B2B) with profile customization and analytics tracking, and a school analytics application supporting data-driven decisions for school management.

Software Engineer — Seamless Property Management

Jan 2022 – Dec 2022

Dubai, UAE

- Worked as a full-stack developer (NestJS back end, Angular front end) on a property management platform handling active and archived leases for landlords and property managers.
- Digitized and automated core property management workflows, moving lease and operations processes from manual handling to a centralized digital system.
- Built a tenant-facing mobile application covering contract details, payment details, alerts and notifications, e-signature for lease documents, and an accounts module.

Software Engineer — Matajar E-Commerce L.L.C.

Mar 2021 – Dec 2021

Dubai, UAE

- Developed and maintained the customer web application and admin panel for a B2C e-commerce platform serving 100,000+ customers and processing 300+ daily orders.
- Built features for both management and service-provider portals as part of the in-house IT department.

Software Engineer (Promoted from Intern)

Jun 2019 – Feb 2021

aeth Analytica, Calicut, Kerala, India

- Built and shipped 5+ applications over a 1 year 10 month period as part of a start-up engineering team.

Software Engineer Intern

Mar 2019 – May 2019

aeth Analytica, Calicut, Kerala, India

- Developed foundational engineering skills and contributed to ongoing live production projects during a 3-month internship.

KEY PROJECTS

E-Commerce Websites — Al-Sadhan Group (Al-Sadhan & Spar Brands)

- Built and deployed bilingual (Arabic/English) e-commerce websites for the Al-Sadhan and Spar brands, each with a customer storefront, admin panel, and store/catalog management system.
- Delivered supporting applications for both platforms, including order management, ZATCA-compliant invoicing, and store-level access control.

In-Store Retail Systems — Mobile POS & Self-Ordering Kiosk

- Built a mobile Point-of-Sale (POS) application for in-store sales, invoicing, and stock handling.
- Developed a customer-facing self-ordering kiosk application for in-store order placement, integrated with the POS and kitchen workflow.
- Built a Kitchen Order Ticket (KOT) printing system for real-time routing of orders to kitchen/prep stations across POS, kiosk, and online orders.
- Built an aggregator order-picking application enabling in-store staff to pick and fulfill orders placed through third-party delivery aggregators.

AI Retail Analytics & Text-to-SQL Chatbot

- Built an AI-powered analytics pipeline (NestJS, DeepSeek API, pgvector) that translates natural-language questions into governed SQL queries over SQL Server, using a YAML-based schema semantic layer and SQL guardrails.

E-Commerce Platforms (4+ Applications)

- Built and deployed 4+ e-commerce applications including customer app, admin panel, store app, and delivery app, with Excel import/export, push notifications, and multi-language support.

EDUCATION

Bachelor of Science in Computer Science — University of Calicut

Graduated March 2019

ACHIEVEMENTS & CERTIFICATIONS

5-Star Gold Medal in Problem Solving, HackerRank — hackerrank.com/yabisharfath7

LANGUAGES

English (Fluent) · Malayalam (Native) · Hindi (Basic) · Arabic (Read, Write)