

AKHIL JOSE

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PROFESSIONAL SUMMARY

Full-stack and AI engineer who owns products from user discovery through production delivery. Builds React and Node applications on PostgreSQL, and ships LLM-powered features such as document Q&A, structured generation pipelines, and human-in-the-loop review with observability. Recent work includes live operational platforms, multi-tenant business systems, realtime event software, and a founder-built AI product delivered end-to-end. Strong at turning ambiguous operational problems into reliable software under real-world constraints.

CORE SKILLS

AI / LLM: Production LLM workflows, document Q&A (RAG-oriented), on-prem Ollama, structured tool/schema outputs, human-in-the-loop review, AI insights pipelines, Langfuse

Full stack: React, React Native/Expo, Node.js, Express, TypeScript, NestJS, PostgreSQL, Prisma/Drizzle, Redis, Socket.IO, REST APIs, PWAs

Platform and delivery: Docker, AWS ECS/Fargate, S3, CI/CD (GitHub Actions), Nginx, worker-isolated async jobs, offline-first sync

WORK HISTORY

Software Developer Analyst | 01/2026 - Present

Galldris Group- London, UK

- Build and ship production software with frontline stakeholders (HSEQ, site managers, pre-construction, hire desk, marketing), owning discovery through delivery, on-site training, and adoption.
- Galldris Core (co-developer with one other engineer): offline-first site operations platform (React PWA, Node/Express, PostgreSQL, Redis) for inductions, access control, inspections, incidents, deliveries, timesheets and assets; live on 23 sites; scoped with stakeholders; delivered on-site training and onboarding.
- Work Winning Hub (co-developer): live bid-management platform with Knowledge AI (on-prem Ollama document Q&A with chunking and source attribution) and AI Insights (live pipeline heuristics to LLM recommendations with graceful fallback). Co- built both AI subsystems for the pre-construction tender team.
- ODG Atlas (sole developer, full ownership from scoping to go-live: currently in UAT): multi-tenant plant-hire system of record (React PWA, Express, PostgreSQL) covering requisitions, contract, transport/POD, off-hire, invoicing and Sage export; scoped with hire desk, transport managers, drivers, yard operatives and fitters; drove adoption with change-reluctant operational team.
- Galldris Golf Auction (sole developer): real-time auction platform (React, Node/Express, PostgreSQL, Socket.IO, Docker) with race-safe bidding, anti-snipe extensions, outbid notifications and admin settlement; scoped with outreach/marketing and deployed for event day.

Founder and Sole Engineer | 07/2026 - Present

PassMate - UK (personal startup)

- Founded and sole-built PassMate, a two-sided UK driving-instruction platform (Expo/React Native, NestJS, Prisma/PostgreSQL on AWS ECS) for bookings, lesson reports, progress tracking, test-date swaps, and instructor cashbook.
- Designed and shipped a production AI lesson-reporting workflow: spoken feedback becomes a structured draft, is reviewed and edited by the instructor, then delivered to the learner - with human approval required before anything is sent. Includes separate processing for long-running AI jobs, privacy-conscious retention of sensitive data, and LLM observability (Langfuse) for quality and reliability.

- Built a deterministic learner readiness engine that updates only after instructor-confirmed reports are sent, producing readiness and coverage metrics from structured feedback - auditable, test-covered, and designed as a learning aid rather than an official test-pass prediction.
- Implemented conflict-safe scheduling and practical-test date swaps; closed-cohort product with the full instructor-learner loop proven on physical devices against a hosted API.

Data and Insights Analyst | 10/2023 - 01/2026

Land Union - London, UK

- Drove cross-functional data initiatives and stakeholder analytics solutions; built Power BI dashboards and automated Python/SQL reporting (about 30% reduction in recurring analyst workload).
- Built TaskFlow, an internal property task-management app (React, Flask, SQL) for priorities, assignees, status workflows and deadlines - replacing ad-hoc tracking with a production-style full-stack tool.

Growth Hacker / Algorithm Analyst | 11/2020 - 08/2022

Embibe (Individual Learning) - Bangalore

- Trained and evaluated AI algorithms for user-intent detection; monitored accuracy metrics and kept bounce rate below 5% through behaviour analysis and iteration.
- Coordinated cross-team/vendor delivery, reported to senior management, and adapted rapidly to changing product specifications.

Operations Associate | 04/2019 - 09/2020

Voltrix Mobility Private Limited - Chennai

- Managed day-to-day operations, supplier relationships and inventory; identified production bottlenecks and supported sustainability initiatives.

EDUCATION

Master's, Business Analytics and Big Data | 09/2022 - 09/2023

University of Liverpool - Liverpool, UK

B.Tech, Electrical and Electronics Engineering | 06/2013 - 05/2017

Karunya University - Coimbatore, India