ALTHAF M

AI Application Engineer

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PROFESSIONAL SUMMARY

AI Application Engineer & Flutter Lead with 4+ years of experience. Specializes in cross-platform mobile development and integrating LLMs to build intelligent apps, shipping production software across web, backend, cloud and AI, with RAG and AI agents in real products. Delivered 13 products and 15+ apps on iOS, Android and web, including offline-first sales platforms, multi-tenant SaaS, multi-app service marketplaces, ERP and HR systems, fintech apps and multi-agent AI tools. Leads the engineering team at Texol World, owning architecture, CI/CD and releases. Experienced in Flutter, Go, Python, REST APIs, SQL and NoSQL databases, AWS, Docker, and LLM features using RAG and AI agents.

TECHNICAL SKILLS

Languages: Dart, Go (Golang), Python, TypeScript, JavaScript, Kotlin, SQL

Mobile & Frontend: Flutter, iOS, Android, React, Next.js, Provider, Bloc, Riverpod, Clean Architecture, MVVM, Platform Channels, Responsive UI, Figma

Backend & APIs: REST APIs, GraphQL, Node.js, FastAPI, PHP/Laravel, Gin, Microservices, Real-time Communication, Offline-first Sync, OAuth, JWT, Push Notifications (FCM)

Databases: PostgreSQL, MySQL, ClickHouse, Redis, SQLite, MongoDB, Firebase Firestore, Qdrant (vector)

AI & Machine Learning: LLM Integration, Retrieval-Augmented Generation (RAG), Embeddings, Vector Search, AI Agents, Prompt Engineering, Fine-tuning, OCR & Document Extraction, Speech Recognition & Translation

AI Tools & Frameworks: OpenAI API, Anthropic Claude API, OpenRouter, Gemini, Mistral, Groq, Ollama, Qdrant, Model Context Protocol (MCP), Google ML Kit OCR

Data Engineering: ETL/ELT, Data Warehousing, dbt, ClickHouse, PostgreSQL, Python data pipelines

Cloud & DevOps: AWS, Google Cloud, Azure, Docker, Kubernetes, Terraform, CI/CD, GitHub Actions, Linux, Nginx, Git

Security & Payments: API Security, OWASP, IAM, Biometric Authentication, Apple Pay, Telr, PhonePe, UPI, Wallet Systems

Developer Environment: Neovim, tmux, zsh, GNU Stow dotfiles, Claude Code, Codex, OpenCode, Kimi Code, Amp, MCP, git hooks

Practices: Agile/Scrum, Code Review, Unit & Integration Testing, Debugging, Performance Optimization, Team Leadership

PROFESSIONAL EXPERIENCE

AI Application Engineer | Texol World, Kozhikode, Kerala | Jan 2024 – Present

- Lead the engineering team across mobile, web, backend, cloud and AI, owning the full lifecycle from analysis and architecture to deployment.
- Built Entaura, an enterprise data and policy intelligence platform (Ask, Insight, Watch) with Python/FastAPI, React, ClickHouse, Qdrant, RAG and AI agents.
- Top contributor to Vanforces, a route-to-market SaaS: about 1,900 commits on the offline-first Flutter app since Jan 2024 and 826 on the React admin portal, plus Go backend work (Gin, MySQL, Redis).
- Shipped 13 products and 15+ apps; see Key Projects.
- Set up CI/CD with GitHub Actions for automated builds, testing and App Store / Google Play releases.
- Recognised as Employee of the Month multiple times for project delivery and innovation.

Flutter Developer | BigWelt Infotech Pvt. Ltd., Bangalore, Karnataka | Dec 2022 – Dec 2023

- Developed cross-platform iOS and Android apps with optimised state management and clean architecture.
- Collaborated with backend and UI/UX teams to integrate REST APIs and deliver responsive interfaces.

Flutter Developer Intern | Brototype, Kozhikode, Kerala | May 2022 – Dec 2022

- Delivered client projects from concept to deployment, including an e-commerce app.
- Applied state management, performance optimisation and release best practices.

KEY PROJECTS

Entaura – Enterprise Data & Policy Intelligence | Python, FastAPI, React, TypeScript, ClickHouse, PostgreSQL, Qdrant, dbt | 2026

- Three apps: Ask searches ERP records and policy documents together, Insight generates trusted analytics with charts, SQL and reasoning, Watch monitors thresholds and business rules with alerts.
- RAG and AI agents over ERP data and documents with OpenAI, Anthropic and OpenRouter models; Redis, S3 and Docker.

Invoice Extract – AI Document Extraction | Flutter, ML Kit OCR, Claude API, Node.js, SQLite | Oct 2026

- Extracts order and invoice data from PDF, Excel, CSV and photos: layout-preserving PDF tables, on-device ML Kit OCR and a Claude fallback for handwritten documents.
- Matches products, customers, routes and salesmen against SQLite master data.

AI Frontier – Multi-agent AI Release Tracker | Go, Flutter, PostgreSQL, LLMs, Docker | Oct 2026

- Six-agent pipeline (discovery, verification, report, relevance, mission, evidence) behind one provider router for OpenAI, Claude, Gemini, Mistral, Groq and Ollama.
- Prompt-injection defence by isolating source text as untrusted data; API keys encrypted at rest; Go API, worker and scheduler.

Speak Order – AI Voice Ordering | Flutter, Provider, Soniox, WebSockets, Drift | Dec 2024 – Mar 2025

- AI voice ordering and voice input using LLMs, plus text and barcode ordering; customer and business chat, order approvals and structured order confirmation (Flutter client).

PayNest – Multi-tenant Payments SaaS | Go, PostgreSQL, Redis, React, TypeScript, AWS, Kubernetes | Mar 2026 – Aug 2026

- Built the Go backend and React/TypeScript admin apps (about 670 commits) serving a platform console, tenant portal and Flutter customer app.
- Database-per-tenant PostgreSQL with automated provisioning; RS256 JWT, refresh tokens, TOTP 2FA and role-based access.
- Redis + Asynq background jobs, SendGrid, Twilio and AWS S3; Docker, Kubernetes/Helm and GitHub Actions CI/CD.

TrackFlow – Project & Delivery Management | Go, Gin, React, TypeScript, PostgreSQL, Redis, Asynq | Sep – Oct 2026

- Role-based projects and tasks, timesheets and reports, plus releases, approvals, risks, incidents and governed documents.

Vanforces – Van Sales & Distribution Platform | Flutter, React, Go, MySQL, Redis, SQLite, Google Maps

- Offline-first app with two-way SQLite sync, so field sales continue without network coverage; data warehouse with Python, dbt and PostgreSQL.
- Google Maps routing, live stock management and Bluetooth ESC/POS receipt printing.
- Live on App Store and Google Play.

devbox-config – Dev Environment as Code | Shell, GNU Stow, Neovim, tmux, Lua | 2026 | github.com/AlthafMjeelani/devbox-config

- Dotfiles and AI-agent setup for all my coding: 100+ shared skills across seven AI agents, with hooks that block commits on main.

Taskforces – Mobile ERP | Flutter, Provider, Dio, ML Kit OCR, Syncfusion | Apr 2024 – Present

- Sales orders, purchase invoices, collections, HR workflows and reports; barcode and OCR capture, PDF generation and Bluetooth ESC/POS printing.

WorkForceTime – Attendance & Time Tracking | Flutter, Provider, Dio, Google Maps | Mar 2024 – Present

- Clock-in and clock-out with GPS-based attendance, team dashboards and Excel report exports.

StockSnap – Offline Stock Counting | Flutter, SQLite, Mobile Scanner | Sep 2025 – Jul 2026

- Offline-first counting with CSV/XLSX product import, barcode multi-scan, resumable sessions and Excel export.

DHG Car Wash – Service Marketplace | Flutter, Laravel, PHP, REST | Jun – Aug 2025

- Laravel backend with customer, shop and operator Flutter apps; Apple Pay, Telr and wallet payments, commissions and location-based allocation.

Collection App – Community Fund Tracker | Go, PostgreSQL, Flutter Web | Feb 2026

- Solo build: Go (chi) API with JWT, monthly collections and expenses, and a paid vs pending report.

AGSKart – Recharge & Bill Payments | Flutter, REST, PhonePe | Jun – Dec 2023

- Recharge and bill payment modules with PhonePe, biometric authentication, wallet and push notifications (BigWelt).

EDUCATION

Bachelor of Computer Applications (BCA) | MET Arts and Science College, Nadapuram – Calicut University | Jun 2019 – Mar 2022

Higher Secondary Education | GHSS Avala Kuttoth, Kozhikode | Jun 2017 – Mar 2019

ACHIEVEMENTS

- Employee of the Month at Texol World, awarded multiple times for outstanding project delivery and innovation.
- Top contributor to the Vanforces mobile app (about 1,900 commits) and admin portal (826 commits).
- Open source: extended the print_bluetooth_thermal Flutter plugin with richer device metadata and printer detection.

Languages: English, Malayalam, Hindi, Tamil