

AYEZAN RIAZ

Senior Full Stack Developer | AI Automation & Backend Engineer | Flutter Developer | Remote-Ready

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PROFESSIONAL SUMMARY

Senior Full Stack Developer and AI/Backend Engineer with 4+ years building production-grade fintech SaaS platforms, AI-driven trading systems, and enterprise CRM/ERP-style tooling for a live brokerage. Specializes in end-to-end AI automation — LLM-powered agents (LangGraph, Ollama, RAG/FAISS), computer-vision and OCR document intelligence (Gemini Vision, EasyOCR), and quantitative ML pipelines (LightGBM, XGBoost, CatBoost) that turn market news and social sentiment into trading signals. Fluent in modern AI-assisted engineering workflows (Cursor, Claude Code/MCP, structured PRDs) and equally effective owning a system end-to-end or collaborating inside cross-functional Agile teams. Shipped 3 live production platforms plus 4+ freelance SaaS/CRM builds — available immediately for remote roles across US, European, and Gulf time zones.

TECHNICAL SKILLS

Frontend: React.js, Next.js, Angular, TypeScript, JavaScript (ES6+), HTML5, CSS3, Tailwind CSS, Bootstrap

Mobile: Flutter (Dart) — cross-platform iOS & Android

Backend: NestJS, Node.js, Express.js, Python, FastAPI, REST APIs, GraphQL, .NET MVC, C#

AI / ML / LLM: LangChain, LangGraph, RAG, FAISS, pgvector, Ollama (Llama 3.1, LLaVA, Nomic-Embed), OpenAI & Gemini APIs, Sentence-Transformers, Scikit-learn, LightGBM, XGBoost, CatBoost, Prompt Engineering

Computer Vision / OCR: EasyOCR, PyMuPDF, Pillow, Gemini Vision API — automated document & announcement intelligence

Quant & Data: Pandas, NumPy, SciPy, TA-Lib, QuantStats, Empyrical, Backtrader, Alphalens, yFinance

AI-Assisted Engineering: Cursor, Claude Code (MCP), structured PRD-driven development, Mermaid diagrams, GPT/Claude prompt engineering

Databases: PostgreSQL (pgvector), Redis/BullMQ, MySQL, MongoDB, Firebase, SQL Server

Cloud & DevOps: AWS S3, AWS EC2, Docker, CI/CD pipelines, Linux (Ubuntu/CentOS), Nginx, PM2, Git, GitHub

Integrations: Stripe, Twilio, Agora SDK, Zoom API, TradingView, WebSockets, FCM, Reddit API (PRAW), APScheduler

Enterprise Systems: SaaS Architecture, ERP Modules, CRM Platforms, HR Management Systems, KYC/Compliance, Admin Dashboards

Tools: Postman, VS Code, Jira, Agile/Scrum, JWT Auth, OAuth2, Openpyxl, ReportLab

WORK EXPERIENCE

Senior Full Stack Developer & AI Automation Engineer

Feb 2025 – Present

Standard Capital Securities · Karachi, Pakistan

- Architected and own 2 live fintech SaaS platforms — PSX Account Opening System (aof.scstrade.com) and RP Trading Dashboard (rp.scstrade.com) — serving active brokerage clients on the Pakistan Stock Exchange, working closely with product, compliance, and trading teams from requirements through deployment.
- Built an LLM-powered conversational trading agent — LangGraph orchestration over local Ollama models (Llama 3.1 8B, LLaVA, Nomic-Embed) with RAG over PostgreSQL/pgvector — giving traders natural-language access to live portfolio and market data.
- Engineered a hybrid AI trading-signal engine (30% ML, 40% technical indicators, 15% volume, 15% news/social sentiment via RAG + FAISS), training gradient-boosted models (Random Forest, LightGBM, XGBoost, CatBoost) on historical PSX data, backtested with Backtrader/Alphalens and evaluated via QuantStats/Empyrical.
- Automated market and social-news intelligence — scraping and RSS ingestion (BeautifulSoup, Feedparser) across Dawn, Tribune, Profit, and Reddit (PRAW) plus a computer-vision/OCR pipeline (EasyOCR, PyMuPDF, Gemini Vision API) for PSX announcements — classified with local LLMs and compiled into scheduled Excel/PDF reports (APScheduler, BullMQ, Openpyxl, ReportLab).
- Automated CRM/ERP-style onboarding and compliance workflows (multi-step KYC, AWS S3 storage, admin review panel) and led a UX redesign of the account-opening flow with card-based sections and a step-progress indicator.
- Maintain Linux infrastructure (Nginx, PM2, Docker, Redis/BullMQ for job queues) at 99.9% uptime, with CI/CD pipelines cutting deployment time by ~40%; use AI-assisted workflows — Cursor, Claude Code with MCP, structured PRDs, Mermaid architecture diagrams — to design and ship faster alongside product and engineering teammates.

Associate Software Engineer

Feb 2022 – Jan 2025

Syscrowd · Karachi, Pakistan

- Delivered 4+ full-stack projects across SaaS, CRM, and ERP domains using Angular, React, NestJS, Node.js, C#/.NET, and SQL in an Agile/Scrum environment.
- Built Tisoro Global CRM — enterprise Turkish real estate platform: 1,000+ listings, CRM pipeline, multi-role admin panel, AWS S3 storage (tisoroglobal.com).
- Developed Trademark Emergent — SaaS trademark registration platform with document lifecycle management and compliance tracking.
- Mentored junior developers and paired closely with cross-functional teams; introduced reusable component libraries, reducing team development time by ~25%.

Freelance Full Stack Developer

Feb 2022 – Present (Concurrent)

Direct Clients · Remote

- Financial Data SaaS — FastAPI + Python: real-time signals API, automated trade alerts, APScheduler, AWS S3 storage.
- Home Services Platform — NestJS + PostgreSQL + Stripe + Twilio SMS + AWS S3 + real-time job matching + RBAC.
- Enterprise Video Conferencing & Social Platform — Agora SDK HD video/audio, WebSocket chat, Stripe subscriptions, AWS S3.
- Cancer Hospital Finder Flutter App — iOS/Android geolocation app: hospital search, bookmarks, Google Maps; backend NestJS + MySQL + Linux + AWS S3.

KEY PROJECTS

PSX AI Trading Bot

Python · LangGraph · Ollama (Llama 3.1, LLaVA) · LightGBM/XGBoost/CatBoost · FAISS/RAG · Computer Vision/OCR (EasyOCR, Gemini Vision) · FastAPI · PostgreSQL/pgvector

LangGraph conversational trading agent over local LLMs, driving a hybrid signal engine (ML + technical + volume + news/social sentiment) with automated computer-vision/OCR document ingestion. Live PSX data every 5 sec, instant ±5% price alerts, daily Excel/PDF intelligence reports. Sources: Dawn, Tribune, Profit, Reddit.

RP Trading Dashboard — AI-Powered SaaS

Next.js · NestJS · WebSockets · TradingView · PostgreSQL · Redis · AWS S3

Real-time PSX trading SaaS: AI signals, 4+ simultaneous live charts, RSI/MACD/Bollinger Bands, watchlists, live portfolio tracking. Live: rp.scstrade.com

PMEX / PSX Account Opening System — Fintech SaaS

Next.js · NestJS · PostgreSQL · AWS S3 · Linux · Nginx

Multi-step KYC onboarding SaaS; redesigned UX with card-based sections and a step-progress indicator, AWS S3 document uploads, admin review panel, compliance reporting. Live: aof.scstrade.com

Cancer Hospital Finder — Healthcare Flutter App

Flutter · NestJS · MySQL · AWS S3 · Google Maps API

Cross-platform iOS/Android geolocation app for finding nearby cancer hospitals — proximity search, facility profiles, bookmarking, Google Maps directions, push notifications.

On-Demand Home Services Platform

NestJS · PostgreSQL · Stripe · Twilio · AWS S3

Services marketplace REST API: real-time job matching, Stripe payments, Twilio SMS, AWS S3 media uploads, JWT auth, RBAC, admin dashboard.

Enterprise Video Conferencing & Social Platform

Flutter · NestJS · Agora SDK · WebSockets · MongoDB · AWS S3

Social + video platform: Agora HD video/audio, WebSocket messaging, user matching, Stripe subscriptions, AWS S3 storage, push notifications.

Tisoro Global CRM — Real Estate Enterprise

Angular · NestJS · Node.js · SQL · AWS S3

Enterprise CRM for Turkish real estate: 1,000+ listings, advanced filtering, CRM pipeline, report generation, multi-role admin, AWS S3 storage. Live: tisoroglobal.com

EDUCATION

B.S. Software Engineering — CGPA: 3.22

2020 – 2024

DHA Suffa University, Karachi

Pre-Engineering — Grade: A+

2018 – 2020

Siraj ud Daullah Government Degree College

ADDITIONAL INFORMATION

- Available immediately for remote full-time or contract roles — US, Europe, and Gulf companies welcome.
- Comfortable working across time zones — EST (US East) or CET (Europe) overlap fully available.
- Strong written and verbal English for international team communication and async collaboration.
- All systems delivered with clean architecture, comprehensive documentation, and production deployment.
- Languages: English (Professional Fluency) · Urdu (Native)