

Hasan Javed

Senior Full-Stack & AI Engineer

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📁 github.com/timur-ul-hasan · Remote · EU / US time zones

SUMMARY

Senior full-stack and AI engineer with eight-plus years across healthcare RCM, fintech, compliance, and high-throughput systems. Python, Go, Rust, TypeScript. Works end-to-end — architecture, implementation, infrastructure, and ops. Open to senior / staff full-time roles and selective contracts.

EXPERIENCE

Artificial Intelligence Engineer · AR Proactive Jun 2024–Present
Chicago, IL (Remote)

- Build AI / ML features into a healthcare RCM SaaS — claim denial prediction, reimbursement forecasting, collection prioritization — contributing to a 20%+ reimbursement lift over manual baselines.
- Shipped, end-to-end: a \$80M-notional Rust + FastAPI order router (38 ms p99 risk gate) and a 1.2 M tool-call/day multi-LLM agent runtime (99.6% structured-output validity).
- Stack: Python, FastAPI, Postgres, Redis, AWS; LightGBM + LLMs (OpenAI, Anthropic, Gemini) for feature engineering.

Lead AI Developer · hads Dec 2022–Jul 2024
Riyadh, Saudi Arabia (On-site)

- Led engineering team; set technical direction, mentored, partnered with product and design on a quarterly cadence.
- Architected scalable web apps in Nest.js, Python / Django, React; ran AWS infrastructure end-to-end and instituted CI/CD, testing, security, and reliability practices.
- Delivered a 200 M-row Parquet + DuckDB reporting layer (7.2 s → 420 ms p95) and a Go + Temporal sync engine unifying four accounting SaaS providers.

System Fintech Engineer · One-Compliance Jun 2020–Dec 2022
United States (Remote)

- Full-stack fintech and compliance engineering: HTML / CSS / JS on the front end; Python, PHP, Node.js on the back end.
- Designed and maintained compliance-focused software; drove reliability, monitoring, and operational-efficiency improvements.

Full Stack Engineer · Histone Solutions Dec 2017–May 2020
Islamabad, Pakistan (On-site)

- Early-career full-stack work across Python, React, and first-generation ML features; shipped end-to-end in a small team.

EDUCATION

MS, Artificial Intelligence · Air University, Islamabad, Pakistan 2022–2024

BS (Hons), Computer Software Engineering · University of Gujrat, Gujrat, Pakistan · Grade: B+ 2012–2016

SKILLS

LANGUAGES Python · Go · Rust · TypeScript · SQL
BACKEND FastAPI · Django · gRPC · Postgres · Redis · Temporal.io · event sourcing
FRONTEND React · Next.js · Tailwind CSS · TypeScript
DATA · ML PyArrow · DuckDB · Parquet · pgvector · LightGBM · PyTorch · Pandas · Polars
AI · LLM OpenAI · Anthropic · Gemini · Grok · local Llama · Pydantic schemas · structured output · evals
CLOUD · INFRA AWS (Lambda, ECS / EKS, RDS, S3, AppSync) · Cloudflare Workers · Vercel · fly.io · GitHub Actions
FINTECH Stripe · Plaid · TradingView · Alpaca · Interactive Brokers · Binance · MetaTrader 5
QUANT · TRADING NautilusTrader · Backtrader · Zipline · QuantConnect LEAN · walk-forward analysis · Kelly sizing