

Hassan Mango

Based in Barcelona, Spain | hmango77@gmail.com | [Portfolio](#) | [LinkedIn](#)

ITALIAN JORDANIAN | FORWARD DEPLOYED ENGINEER | SOFTWARE CONSULTANT

PROFILE

Front-end dev evolved into a forward deployed engineer with experience in JavaScript, Typescript, React, Python, Golang and Rust. Skilled at translating ambiguous requirements into production-grade systems with strong reliability, real-time performance, and clear operational visibility. Combines engineering execution with financial domain knowledge to deliver solutions that outperform conventional architectures

WORK EXPERIENCE

Prairie Shields Technology

Software Developer & IT Solutions Architect

March 2025 - Present

Remote, USA

- Architected and deployed a full-stack operations platform using Next.js 14, TypeScript, PostgreSQL, RLS, and automated trigger pipelines achieving sub-50ms ticket lifecycle operations
- Integrated Notion for ticket lifecycle management, syncing state transitions, metadata, and audit logs between Notion and the internal database with idempotent sync jobs and webhook-driven updates
- Engineered a scalable real-time ticketing engine, leveraging composite indexes, queue-optimized queries, and transactional workflows to support automatic ticket ingestion from contact forms, file-attachment pipelines, and system events

Wajeez

Software Engineer Intern

Nov. 2022 - February 2023

Amman, Jordan

- Implemented quality assurance through A/B testing strategies for user authentication flows
- Refactored React/JavaScript components to handle complex data structures, enhancing application stability and performance
- Developed frontend features in an agile environment, contributing to sprint planning, delivery, and QA review cycles

Clear Profits DM

Web Developer

April 2021 - August 2022

Monmouth, Illinois

- Developed responsive web interfaces using Next.js and TailwindCSS, improving performance metrics and user engagement by 40%
- Established automated testing pipeline using Google Analytics to capture and analyze website interaction data
- Collaborated cross-functionally to scale digital marketing initiatives through continuous performance monitoring and refinement

RECENT PROJECTS

MarketFlow | Discord, Golang, HTML, Hollywood/Actors, Protobuf, Mux, RPCS, Railway

- Architected a real-time trading surveillance system using the hollywood actor package and Go, processing 50k+ events/sec via gRPC and protobuf with <5ms P99 latency to detect and decipher SEC trades via EDGAR rss feeds and other platforms
- Reverse-engineered APIs to fetch and process real-time stock options data, enabling detailed financial analysis with trade sentiment
- Designed and made congressional trade monitoring system using Go, tracking 100+ lawmakers' and Congress' disclosures in real time

Solana Token Aggregator CLI | Golang, Typescript, Solana Blockchain

- Tracked 30,000+ Solana token launches via REST APIs and Websockets; built latency-optimized alert system (<200ms)
- Implemented real-time monitoring of memecoin metrics to identify high-potential tokens early
- Built efficient data parsing algorithms to extract and filter relevant launch information

Gas Price CLI App | Rust, Reqwest, HTTP Client, GraphQL API, Serde, Tokio

- Real-time monitor and tracker command line interface with GraphQL handling requests; 99.9% uptime over 2 years
- Developed and maintained using Rust and React Native to visualize gas price trends and network activity

EDUCATION

- Bachelor of Science in Computer Science with Minor in Finance - *Class of '24* - Knox College, USA
- Key Coursework: Software Engineering, Machine Learning, Artificial Intelligence, Software Testing, DBMS, Applied Data Structures
- Certifications: Automating Data with Python (Google/Meta/Coursera)

SKILLS

Cloud/DevOps: Docker, CI/CD, Git, Prometheus, Kafka, Firebase, Railway, Supabase, FlyIO, Github

Backend: Golang, Rust, Python, Node.js, gRPC/protobuf, REST/GraphQL, WebSockets, PostgreSQL, SQL, Scrapy/Playwright

Frontend: React/React Native, Next.js, HTML, TypeScript, ThreeJS/WebGL, TailwindCSS, CSS, Framer, Figma

Languages: Fluent in Arabic/English; conversational in Spanish and Portuguese