

Hassan Mango

Based in Barcelona, Spain | hmango77@gmail.com | [Portfolio](#) | [LinkedIn](#)
ITALIAN JORDANIAN | FORWARD DEPLOYED ENGINEER | SOFTWARE CONSULTANT

WORK EXPERIENCE

Prairie Shields Technology

Forward Deployed Engineer & IT Solutions Architect

March 2025 - Present

Remote, USA

- Architected a high-performance ticketing engine using Next.js 14, Node.js, and PostgreSQL, achieving sub-50ms lifecycle operations via composite-indexed queries and transactional workflows for real-time ingestion
- Engineered secure, multi-channel ingestion pipelines featuring Clerk authentication and Notion integration; implemented automated state-syncing, webhook-driven updates, and audit logging for file attachments and system events
- Directed end-to-end MVP development for enterprise clients, transitioning high-fidelity prototypes into production-ready systems with secure payment gateways and structured maintenance cycles to manage long-term technical debt

Wajeez

Software Engineer Intern

Nov. 2022 - February 2023

Amman, Jordan

- Refactored React components using modern state management patterns, significantly increasing application stability and reducing technical debt in data-heavy views
- Engineered A/B testing strategies for authentication flows, utilizing data-driven insights to refine and enhance user onboarding
- Collaborated in high-velocity Agile sprints, contributing to architecture discussions & QA review cycles

Clear Profits Digital Marketing

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

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, Database Management Systems,, Applied Data Structures, Program Design and Methodology, Algorithm Design and Analysis
- Certifications: Google IT Automation with Python

PROJECTS

LeadSouq (2026) | Golang, Typescript, ScyllaDB, Redis, Next.js

- Building a B2B lead aggregator, scraping 34M+ companies across 150+ countries via 6-tier fallback system with go-rod/Playwright; 99%+ uptime, 30 concurrent workers
- Architected distributed backend with ScyllaDB and Redis; implemented natural language search, lead scoring, and real-time scraping from Google/Google Maps/Bing/DuckDuckGo with <8s response time
- Integrated Stripe payments and JWT auth; designed credit-based pricing with atomic transactions and rate limiting

MarketFlow (2025) | 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 built congressional trade monitoring system using Go, tracking 6000+ companies, with 40,000+ filings, 100+ lawmakers' and Congress' disclosures in real time

Gas Price CLI App (2025) | 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

SKILLS

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

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

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

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