

Hassan Mango

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ITALIAN | FULL STACK ENGINEER|SOFTWARE CONSULTANT/ENGINEER

PROFILE

Front-end dev evolved into a full-stack engineer with expertise in JavaScript, Typescript, React, Python, Golang and Rust. Combines technical design with financial domain knowledge to deliver systems that outperform conventional solutions. Been working in Construction since Grad.

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)

WORK EXPERIENCE

Prairie Shields Technology

Software Developer & IT Solutions Architect

March 2025 - Present

Remote, USA

- Created full stack app using Next.js 14 with TS implementing PostgreSQL RLS to automate triggers for sub-50ms ticket lifecycle
- Engineered complex protected authentication and authorization system with Clerk Auth integration, designing role-based access control for automated profile provisioning via database triggers eliminating manual user onboarding and spam onboarding
- Designed scalable ticketing system with real-time updates using PostgreSQL composite indexing and optimized query patterns, supporting automated ticket creation from contact forms and file attachment workflows

Wajeez

Software Engineer Intern

Nov. 2022 - February 2023

Amman, Jordan

- Collaborated in agile development sprints, participating in sprint planning, execution, and quality review processes
- 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
- Built and integrated RESTful API interfaces for audio content delivery and user account management

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 Docker and 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
- 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' 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 14 months
- Developed and maintained using Rust and React Native to visualize gas price trends and network activity

SKILLS

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

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