Mohammad Elhennamy

Senior Systems and Product Engineer | Fintech Platforms | Node.js • NestJS • React • React Native

Dubai, United Arab Emirates | +971-50-263-5320 | mohmadelhinamy7@gmail.com

linkedin.com/in/mohamad-elhinamy | github.com/mohamadelhinamy | hennamy.com

Summary

Senior backend and full stack engineer with 7+ years of experience building fintech platforms in regulated environments. Strong focus on system design, distributed services, and secure financial workflows. Experienced in translating complex business requirements into scalable technical systems and delivering features from architecture and design through implementation and production release. Comfortable working closely with product, design, and business stakeholders to build reliable and user focused platforms across backend, web, and mobile.

Core Technologies

- **Languages:** TypeScript, JavaScript, Java, Python, C#
- **Backend:** Node.js, NestJS, REST APIs, Microservices, Event Driven Architecture
- **Databases:** PostgreSQL, MongoDB, SQL
- **Frontend and Mobile:** React, React Native, Next.js
- **Engineering Practices:** System Design, Distributed Systems, Platform Architecture, API Design, Authentication and Security, Agile/Scrum

Experience

- **Tabadulat** *February 2025 – Present*
  Senior Full Stack Software Engineer (Remote) Abu Dhabi, UAE
  - Design and architect backend services for a regulated fintech platform supporting stock trading workflows and financial processing systems.
  - Build event driven microservices using NestJS and domain driven design principles to support scalable platform architecture.
  - Lead delivery of features across backend, web, and mobile layers from requirements clarification and system design to production deployment.
  - Drive architectural discussions and technical decision making to support platform scalability, maintainability, and regulatory compliance.
  - Ensure reliability and integrity of financial workflows including order lifecycle processing, accounting events, and reconciliation pipelines.
  - Integrate AI assisted engineering workflows for architecture exploration, documentation, and test generation while maintaining strong engineering quality.
  - Work closely with product and business stakeholders to translate financial requirements into scalable system implementations.

- **Vault Wealth** *February 2024 – November 2024*
  Senior Software Engineer (React Native, Next.js) (Remote) Dubai, UAE
  - Led architecture and development of the customer facing mobile application from initial design to App Store and Play Store release.
  - Designed the core structure of the React Native application and established engineering patterns for scalability and maintainability.
  - Delivered major product features across mobile and web platforms using React Native and Next.js.
  - Collaborated closely with product, design, and backend teams to deliver financial product functionality.
  - Maintained production stability through performance improvements, bug fixes, and iterative product improvements.

- **Klivvr** *September 2022 – February 2024*
  Senior Software Engineer (Backend) Cairo, Egypt
  - Built backend services for a digital banking platform from early architecture stages through production launch.
  - Designed authentication and authorization systems using JWT, encryption, and rate limiting.
  - Developed services responsible for handling sensitive financial data with strong security practices.
  - Implemented secure infrastructure integrations including encrypted PostgreSQL connections and hardened HTTP security configurations.
  - Supported platform stability and feature evolution for a banking platform serving thousands of active users.
  - Mentored backend interns through code reviews and technical guidance.
- **Nexta** *September 2021 – September 2022*
  Software Engineer (Node.js, React Native) Cairo, Egypt
  - Developed backend services powering a digital banking mobile platform.
  - Designed and built an internal tablet application used by operations teams for onboarding and document processing.
  - Collaborated with cross functional teams to deliver secure financial workflows and operational tooling.
- **Preventia** *March 2021 – September 2021*
  Software Engineer (React Native) (Remote) Quebec, Canada
  - Contributed to development and launch of a med tech mobile application supporting healthcare workflows.
  - Implemented user facing features and integrated backend APIs supporting core product functionality.
- **Qpix** *June 2019 – March 2021*
  Software Engineer (Full Stack) (Hybrid) Cairo, Egypt
  - Delivered full stack web and mobile solutions across multiple client projects.
  - Owned features end to end including requirements gathering, technical design, implementation, testing, and deployment.
  - Led small engineering teams and coordinated delivery timelines with stakeholders.
  - Worked directly with clients to translate business needs into scalable software solutions.

Education

- **German University in Cairo** *October 2014 – June 2019*
  Bachelor's Degree in Media Engineering and Technology (Computer Science Major) Cairo, Egypt