MOHAMED HASAN

Senior Frontend Engineer & Frontend Team Lead — React · Next.js · TypeScript · Web3

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PROFESSIONAL SUMMARY

Senior Frontend Engineer and Frontend Team Lead with 12+ years building and shipping production web applications in React, Next.js, TypeScript, and JavaScript. Own frontend architecture, design systems, and shared component libraries for multi-team enterprise products, and set the engineering standards — code review, CI/CD, and performance budgets — that keep delivery fast without regressions. Led a migration of key product surfaces to the Next.js App Router with no feature freeze, and was promoted from React Developer to Team Lead. Deep Web3 frontend experience: wallet-based authentication, transaction-lifecycle UX, and NFT and token-gated interfaces with Wagmi, WalletConnect, Thirdweb, and direct smart-contract integration. Mentor engineers and act as the bridge between design, product, and backend. Targeting Senior Frontend, Senior React/Next.js, and Frontend Lead roles.

CORE SKILLS

Frontend Architecture · Design Systems & Component Libraries · React · Next.js (App Router) · TypeScript · Technical Leadership · Code Reviews & Mentoring · Performance Optimization · Web Accessibility · Responsive UI · REST & GraphQL API Integration · State Management · Authentication & Authorization · Web3 / Blockchain Frontend · CI/CD

TECHNICAL SKILLS

Languages: TypeScript, JavaScript (ES6+), HTML5, CSS3

Frontend: React, Next.js (App Router & Pages Router), Redux, React Context, React Query, Apollo Client, Tailwind CSS, shadcn/ui, HeroUI, Component-Driven Architecture, Design Systems, Responsive Web Design, Web Accessibility (WCAG), Cross-Browser Compatibility

Backend / API: REST APIs, GraphQL, API Integration, State Management, Authentication & Authorization

Web3 / Blockchain: Ethereum, Smart Contract Integration (read/write), Wallet Integration, Wagmi, viem, WalletConnect, MetaMask, Thirdweb SDK, IPFS, NFT Marketplaces, Token-Gated Applications

Testing & Quality: Jest, React Testing Library, Mocha, Console & Network Debugging, Error Handling & Logging, Performance Testing, Core Web Vitals

Tools & DevOps: Git (GitHub, Bitbucket), CI/CD Pipelines, Vite, Webpack, Vercel, Code Splitting & Lazy Loading

Architecture & Engineering: Frontend Architecture, Design Systems, Reusable Component Libraries, Performance Budgets, Technical Decision-Making

Leadership: Frontend Team Leadership, Code Reviews, Mentoring, Technical Architecture, Agile/Scrum Collaboration, Cross-Functional Collaboration (Product, Design, Backend, DevOps)

Design: Figma, Adobe XD, design-to-code implementation

PROFESSIONAL EXPERIENCE

Co-Founder & Lead Frontend Engineer — Web3 Monkeys

Remote | Jan 2024 – Present (co-founded venture)

- Co-founded a Web3 product studio and own the entire frontend surface — marketing sites, decentralized applications, and partner integrations — setting architecture, tooling, and delivery standards from the start.
- Architected and built dApp interfaces in Next.js, React, and TypeScript, including Web3 dashboards, wallet-based authentication, and views that render live on-chain state.
- Designed reusable wallet-connection and transaction-lifecycle UX patterns (Wagmi, WalletConnect, MetaMask, Thirdweb) adopted across every product, covering connect, wrong-network, account-change, pending, success, and rejection states.
- Partner directly with smart-contract developers on contract reads/writes, event handling, and error decoding to keep the UI accurate to on-chain state.
- Own product direction, UI/UX decisions, and technical quality end to end — scoping, architecture, code review, and release.

Frontend Team Lead (React / Next.js) — Storage IT Solutions

Cairo, Egypt (Hybrid) | Aug 2021 – Present · promoted from React Developer

- Define frontend architecture, coding standards, and the review process for a multi-squad enterprise web product, and keep engineering aligned with design and product.
- Architected a scalable React/Next.js application structure and a shared component library, removing duplicated UI work across teams and speeding up delivery of new screens.
- Led the migration of key product surfaces to the Next.js App Router with no feature freeze, modernizing routing, data fetching, and rendering strategy.
- Established CI checks (lint, type-checking, tests) and pull-request review practices that hold quality without slowing the team down, improving performance and maintainability across projects.
- Mentor mid-level engineers through code review and pairing; collaborate closely with backend, DevOps, and product to ship features end to end.

Founder & Lead Frontend Engineer — Ionic Hub (Digital & Web3 Agency)

May 2019 – Aug 2024

- Founded and ran a digital and Web3 agency, leading engagements from discovery and technical scoping through architecture, hands-on build, and production delivery.
- Set frontend architecture and owned the technical decisions across dozens of client web and blockchain projects.
- Delivered React/Next.js web applications and early Web3 initiatives, including wallet integration and NFT / token-gated experiences.
- Built and scaled a distributed delivery team, hiring specialists as scope required and owning technical quality, client relationships, estimates, and timelines across all output.

Frontend Developer — Themes & Plugins — Bootstrapious

Remote (EU team) | Dec 2016 – Feb 2019

- Built commercial Bootstrap UI themes and interactive JavaScript/jQuery plugins used by thousands of buyers.
- Engineered reusable, documented component patterns so each new theme shipped faster than the last.
- Implemented advanced frontend integrations — interactive maps and custom widgets — with full cross-browser and responsive support.
- Authored developer documentation and support material, translating implementation detail for non-expert users, within an international team following structured release processes.

Frontend Developer — Teck Station

Cairo, Egypt | May 2015 – Dec 2016

- Built and maintained responsive web interfaces for a range of local and regional client projects.
- Converted UI/UX designs into clean, maintainable HTML, CSS, and JavaScript with cross-browser consistency and performance in mind.
- Set up the shared asset and build pipeline reused across client projects.

Freelance Frontend Developer — Upwork

Jan 2012 – May 2015

- Delivered custom websites and web applications for international clients across the US, Germany, Italy, the Czech Republic, Oman, and the Philippines.
- Built responsive, user-focused interfaces to each client's requirements using HTML, CSS, JavaScript/jQuery, PHP, and WordPress.
- Ran each engagement solo — scoping, estimates, delivery, and support — with async communication across time zones.

SELECTED PROJECTS

Bolesa Warehouse Management System · 2025

Frontend architecture and build for an internal WMS covering warehouse and fulfillment operations.

Role: Frontend lead. Stack: Next.js, React, TypeScript, Tailwind CSS.

Delivered a data-dense operational UI with role-based access, complex multi-step forms, and high-volume tables, built on a shared layout system so new admin screens ship quickly.

Storage Station Web Apps · 2024 – Present

Suite of enterprise web applications at Storage IT Solutions.

Role: Frontend Team Lead. Stack: React, Next.js (App Router), TypeScript, Tailwind CSS.

Owns the frontend architecture, the shared component library, and the incremental App Router adoption across the suite.

Bolesa Shipping Web App · 2022

Customer-facing shipping and logistics application.

Role: Frontend developer. Stack: React / Next.js, REST API integration.

Built responsive order, quotation, and tracking flows against the platform's API.

Artvault — Web3 NFT Collection · 2020

NFT collection front-end with wallet connection, minting, and gallery.

Role: Frontend developer. Stack: React, Ethereum, wallet integration (Wagmi / WalletConnect), smart-contract reads/writes, IPFS-hosted metadata.

Implemented the connect-and-mint flow and the collection gallery against the deployed contract.

EDUCATION

B.Sc. in Applied Chemistry — Benha University · 2011 – 2015

Analytical, data-interpretation, and systematic problem-solving foundation that carries into technical architecture and debugging.

CERTIFICATIONS

- React Development — Cross-Skilling Program

REFERENCES

Available on request (former engineering leads and project managers at Bootstrapious, Raya, and Storage IT Solutions).