

MAHMUD TOLPA

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Professional Summary

Full-Stack Developer with hands-on experience building scalable web and mobile applications using React, Next.js, React Native, and Expo. Skilled in DevOps fundamentals, VPS configuration, and cloud deployments. Passionate about clean architecture, cross-platform performance, and security-first development. Adept at combining full-stack engineering, DevOps, and mobile development into cohesive, production-ready systems.

Education

Modern Academy – BSc in Computer Science

Sep 2022 – 2026

Cairo, Egypt

Experience

Full-Stack Developer (Lead Magnet Platform)

Nov 2025 – Feb 2026

Ezyzle, On-Site (Full-Time)

- Sole developer on a multi-tenant SaaS platform — owned end-to-end architecture, DevOps, and product decisions from day one.
- Built Next.js 16 + React 19 frontend and Express/PostgreSQL backend with 50+ REST APIs, RBAC, JWT auth, and full Arabic/English i18n (RTL/LTR).
- Engineered multi-tenant subdomain resolution, AI-powered landing page generation, marketing pixel integrations (Facebook, TikTok, Snapchat), and a super admin dashboard.
- Deployed on VPS with Caddy reverse proxy, automatic TLS/SSL, and PostgreSQL — achieving 99.9% uptime and <200ms response times.

Full-time Freelance Developer

Mar 2025 – Oct 2025

Remote / Independent Projects

- Worked as a Freelance Full-Stack Developer on projects including **CoClinic** (a secure telehealth platform) and **UR DOC** (a full-stack EdTech platform).
- Developed complete systems using Node.js, Express, React, MongoDB, PostgreSQL, and Socket.IO with real-time chat, JWT/Google OAuth authentication, and video streaming integrations.
- Configured and deployed production servers manually using Nginx, SSL, DNS, and VPS management, ensuring high uptime and fast response times (<200ms).
- Optimized performance, SEO, and user experience, successfully delivering platforms used in healthcare and education fields.

Front End Developer Intern

May 2024 – Aug 2024

Dev Academy, Cairo, Mokattam

- Built high-performance UIs with React/Next.js, reducing load times by 30% via Axios caching.
- Participated in Agile sprints and optimized UI components based on user feedback.
- Collaborated using Git/GitHub and improved debugging workflows in VS Code.

Projects

Ezyzle (Lead Magnet Platform) | Next.js 16, Node.js, PostgreSQL, Prisma, Caddy, TypeScript, Tailwind CSS

Nov 2025 – Feb 2026

- Architected a multi-tenant SaaS platform for high-converting landing pages, lead management, and sales tracking — sole developer across full stack and infrastructure.
- Built 50+ REST API endpoints (Express + Prisma, 60+ DB models), multi-tenant subdomain resolution, custom domain support.
- Integrated for AI landing page generation, marketing pixels (Facebook, TikTok, Snapchat) with Conversion API, and a super admin dashboard with real-time analytics.
- Deployed on VPS with Caddy (auto TLS/SSL), achieving <200ms response times and 99.9% uptime.

UR DOC | Next.js, Node.js, PostgreSQL, Redis, Tailwind, VPS

Jun 2025 – Oct 2025

- Developed a full-stack EdTech platform from scratch — deployed on VPS with custom domain and SSL.

- Built Node.js + Express backend with PostgreSQL and Redis for secure single-device sessions.
- Implemented responsive Next.js (TypeScript) frontend with Framer Motion and SEO optimization.
- Integrated Bunny.net for video streaming and designed a full admin dashboard for content control.

Perfumeni | MERN Stack

Dec 2024 – Jan 2025

- Built secure REST API using SOLID principles and JWT/OAuth2.
- Reduced query response times to 1ms using MongoDB aggregation pipelines.
- Deployed containerized microservices with Docker.

YC Directory | Next.js, Sanity

Jul 2024 – Aug 2024

- Developed startup directory SaaS with dynamic Sanity.io CMS.
- Boosted load speed 30% using SSR, ISR, and CSR with TypeScript.
- Integrated Sentry and implemented CI/CD workflows.

Admin Dashboard | React, Refine, Tailwind, GraphQL

Jan 2024 – Feb 2024

- Built analytics dashboard with real-time GraphQL metrics and custom visualizations.
- Improved user decision-making for 100+ users by integrating Ant Design & Tailwind.

Technical Skills

Languages/Backend: JavaScript, TypeScript, Node.js, Express, NestJS, PostgreSQL, Prisma

Frontend/Frameworks: React 19, React Native, Expo, Next.js 16, Ant Design, Refine, Tailwind CSS 4, Redux, Zustand, Radix UI, Headless UI

Database/Infra: MongoDB, SQL, Redis, Sanity.io, Docker, VPS, Caddy, Nginx

Security: JWT, OAuth 2.0, Helmet, bcrypt, rate-limiting, RBAC

AI/Integrations: Gemeni API, Brevo, Nodemailer, Marketing Pixels (Facebook, TikTok, Snapchat)

Tools: Git, GitHub, VS Code, Postman, Sentry, Android Studio, Vercel Analytics, Expo CLI, Figma, Trello

Leadership / Extracurricular

University Fraternity President

Sep 2022 – Sep 2026

Modern Academy

- Led a 4-member team on a data structures project; achieved 4-star university ranking.
- Managed weekly meetings, project timelines, and cross-functional collaboration.