

# SAIF FIKRY

FULL-STACK SOFTWARE ENGINEER (REACT / NEXT.JS & NODE.JS)  
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## PROFESSIONAL SUMMARY

Full-Stack Software Engineer with 2+ **years of hands-on experience** architecting, deploying, and scaling modern web systems. Specialized in React, Next.js architecture (App Router/SSR), and TypeScript, with full-stack experience across Node.js/NestJS, data systems, authentication, performance optimization, and production infrastructure.

## TECHNICAL SKILLS

**Languages:** TypeScript, JavaScript, SQL, Bash  
**Frontend:** React, Next.js (App Router, SSR), Tailwind CSS, Redux Toolkit, React Query  
**Backend:** Node.js, Express.js, NestJS, RESTful APIs, GraphQL  
**Databases & Caching:** PostgreSQL, Redis, MongoDB, Prisma ORM  
**DevOps & Infrastructure:** Docker, Linux (Debian), Nginx, Cloudflare, Git, CI/CD

## PROFESSIONAL EXPERIENCE

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| <b>Frontend &amp; Full-Stack Software Engineer — Independent Engineering Consultant / Contractor</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 2023 – Present<br>Cairo, Egypt |
| <ul style="list-style-type: none"><li>Engineered and deployed scalable, client-facing web applications using React, Next.js (App Router/SSR), and NestJS, owning full lifecycle delivery from architecture to deployment.</li><li>Reduced production CPU load by <b>35%</b> through Docker containerization and Debian Linux VPS tuning, improving resource efficiency across deployed services.</li><li>Reduced database query latency by <b>42%</b> across datasets exceeding <b>500k records</b> through PostgreSQL/MongoDB index and query optimization.</li><li>Implemented secure <b>RBAC/JWT</b> authentication and authorization across protected APIs and role-specific application portals.</li></ul> |                                |

## FEATURED ENGINEERING PROJECTS

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| <b>Manhaj LMS — Comprehensive Educational Platform</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 2024<br>manhajx.online                      |
| <p><b>Architecture:</b> Next.js, TypeScript, Node.js/NestJS, PostgreSQL, Prisma, Redis, Cloudflare</p> <ul style="list-style-type: none"><li>Architected reusable Next.js component workflows for an end-to-end LMS supporting multidisciplinary curricula and interactive module progression tracking.</li><li>Engineered dynamic certificate generation with automated cryptographic verification to provide verifiable digital credentials.</li><li>Lowered server response latency below <b>180ms</b> under peak traffic by implementing Redis caching for course catalogs and analytics dashboards.</li><li>Built secure student and instructor portals with video lesson streaming, quiz engines, and real-time progress analytics.</li></ul> |                                             |
| <b>VexFlix — Scalable Media Streaming Platform</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 2023 – 2024<br>vexflix.fun                  |
| <p><b>Stack:</b> Next.js, React, TypeScript, PostgreSQL, Cloudflare CDN</p> <ul style="list-style-type: none"><li>Engineered responsive media playback and catalog workflows using Next.js SSR and reusable React components for high-bitrate web streaming.</li><li>Reduced time-to-first-frame to below <b>380ms</b> across <b>10,000+ monthly visits</b> through Cloudflare edge caching and dynamic query prefetching.</li></ul>                                                                                                                                                                                                                                                                                                                |                                             |
| <b>Acadmya &amp; Khodlak — Automated E-Commerce Systems</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 2022 – 2023<br>acadmya.store   khodlak.shop |
| <p><b>Stack:</b> React, Node.js, Express.js, MongoDB, Paymob Gateway, Meta Cloud API</p> <ul style="list-style-type: none"><li>Integrated Paymob payment infrastructure with secure HMAC webhook verification, achieving a <b>0% transaction failure rate</b> across the payment flow.</li><li>Reduced customer support overhead by <b>60%</b> by automating order-status and fulfillment updates through Meta WhatsApp Cloud API triggers.</li><li>Engineered atomic inventory reservation routines to prevent race conditions during high-concurrency flash-sale order attempts.</li></ul>                                                                                                                                                        |                                             |

## EDUCATION

**Damietta University — Damietta, Egypt**  
**Bachelor of Science in Computer Science (English Section) | In Progress**  
**Coursework:** Data Structures & Algorithms, Database Systems, Software Engineering, Object-Oriented Programming (OOP), Operating Systems.