

# Sherif Khodeir | Front end Engineer

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## Summary

Frontend Engineer specializing in data-driven and animated interfaces, combining modern React and Next.js architecture with motion, 3D, and high-performance UI. Background in enterprise client environments and operations, bringing strong communication, ownership, and discipline to engineering teams. Experienced in building scalable UI systems, complex state-driven applications, and full-stack integrations across authentication, payments, and real-time data. Known for transforming ambiguous product requirements into structured, maintainable, and production-ready web applications.

## Skills

### Core Technologies

Next.js, React, TypeScript, JavaScript (ES6+), HTML5, CSS3, Tailwind CSS

### Frontend Engineering

Component-driven architecture, Responsive design, Accessibility (WCAG), Cross-browser compatibility, Performance optimization, Advanced state management, Custom UI libraries

### Backend & Data

RESTful APIs, API integration, Node.js, Express.js, MongoDB, Mongoose, SQL, NoSQL, GraphQL, Authentication systems

### Data & Visualization

Chart.js, Custom charts, Tables, Dashboards, Real-time data, Advanced filtering systems

### Interactive & Motion UI

GSAP, Framer Motion, Three.js, React Three Fiber, WebGL-based experiences, Scroll-triggered animation, Timeline-driven UI, Micro-interactions

### Dev & Collaboration

Git, GitHub, NPM, Webpack, Agile workflows, Figma collaboration, Documentation, Code reviews

## Experience

### Frontend Engineer | Modern Intelligence Solutions (MIS)

Nov/2024 - Present

- Lead frontend engineer for AI-powered and data-driven web applications used by business clients
- Built and maintained a reusable UI component library (~250 components) supporting ~20 production projects
- Implemented complex interfaces including virtualized tables, multi-level filtering, Kanban workflows, inline editing, and real-time updates
- Developed interactive and animated UI using GSAP, Framer Motion, and Three.js to enhance storytelling, data exploration, and product engagement
- Translated Figma designs into responsive, accessible, and high-performance Next.js applications
- Integrated frontend systems with backend APIs, authentication, file uploads, and third-party services
- Collaborated closely with UI/UX designers, backend engineers, and product leadership to deliver features from concept to production
- Designed clean, documented file structures to support team handoff, scalability, and long-term maintainability

### Independent Frontend & Full-Stack Developer

Jan 2023 – Dec 2024

- Built full-stack web applications using React, Next.js, Node.js, and MongoDB from design through deployment
- Implemented authentication, payments, and content management systems for real-world use cases
- Developed responsive, accessible, and performance-optimized user interfaces
- Designed and integrated REST APIs and database models for production-style applications

## Education

### Bachelor of Science — Electrical Communications & Electronic Systems Engineering

Modern Sciences and Arts University (Validated by University of Greenwich, UK)