

Muhammed KAREEM

Meta-Certified Frontend Engineer | AI Integrator | Mathematics Educator



Technical Skills

Frontend & Core Web

- + Coding Languages & APIs
TypeScript, JavaScript, HTML/CSS, REST APIs, GraphQL
- + Core Frameworks & Routing
React.js, Next.js, TanStack Start, TanStack Router, React Router
- + State Management & Data
TanStack Query, Zustand, Context API
- + Build Tools & Version Controls & CI/CD
Vite, Rolldown, oxclint, Git, GitHub, Vitest, React Testing Library, Netlify CI, Sentry
- + UI & Styling
HeroUI, Tailwind CSS, Framer Motion, Shadcn UI, Material UI, Bootstrap, ...

Applied AI Engineering

- + Architecture & Models
RAG / CAG Implementations, OpenAI Fine-Tuning, Local LLMs (Ollama, LM Studio), Hugging Face
- + Tools & Infrastructure
Vector DBs (Pinecone), Node.js AI APIs, GitHub Copilot, Cursor, AI-Assisted Workflows

Applied Mathematics

- + Computational Tools
MATLAB, GAMS, SPSS

Others

- + Software & Tools
 - Adobe (Photoshop, Illustrator, InDesign, XD, Figma, Premiere Pro)
 - MS Office (Word, Excel, PowerPoint)

About and Contacts

- Nickname : Abdül
- Phone Number : +90 501 026 70 74
- Email : hi@abduul.dev
- Residence Address : İstanbul, Türkiye
- Portfolio : www.abduul.dev

Education

- MSc in Computer Engineering
Istanbul Aydin University
2025 - In progress
- BSc in Mathematics Department
College of Science - Salahaddin University
2019 - 2024

Certifications

- ✔ Meta Front-End Developer Professional Certificate
Meta (via Coursera) - 2026
- ✔ Meta React Professional Certificate
Meta (via Coursera) - 2026
- ✔ Algebra, Number theory and their applications to Cryptography
AESIM School, Hosted at Salahaddin University-Erbil - March 2024
- ✔ Ultimate React.js Course - Beginner and Intermediate Topics
Code with Mosh Academy - 2024
- ✔ Mastering Next.js Course
Code with Mosh Academy - 2024
- ✔ 10 Professional Development Hours Of Web Development Course Certification
Node Center - 2021

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Professional Experience

- Freelancer**
Since 2020
- Front-End Engineer at Star Group**
Jan 2021 - Mar 2025 Full Time
Mar 2025 - Present Remote
- Front-End Engineer at BANIWA AG Org.**
Feb 2023 - Oct 2023

Languages

- + English : Very Good
- + Turkish : Intermediate (Still Learning)
- + Arabic : Intermediate
- + Kurdish : Native

Volunteer Experience

- + **Mathematics Instructor (9th Grade)**
DE Center - Feb 23, 2022 - Apr 25, 2022

Selected Projects

- SG eSchool ERP (Multi-Tenant SaaS Platform)**
Tech Stack: TypeScript, React, TanStack (Router, Query, Virtualizer), Zustand, Tailwind CSS, HeroUI, Zod
 - Very aggressive client-side caching.
 - Real-time and interactive features, such as a live GPS tracking dashboard for school busses and a live chat system with markdown/media support.
 - Integrated the Zoom and Microsoft Teams APIs to allow users to create virtual classrooms with just one click.
 - Created a drag-and-drop template builder for creating invoices dynamically.
 - Built-in a full theme/UI customization engine which allows users to customize all aspects of their themes/fonts/data-tables virtually instantly.
- Applied AI & LLM Architecture (MSc Research Project)**
Tech Stack: Node.js, OpenAI API (GPT-4o-mini), Pinecone Vector DB, Prompt Engineering
 - Build and deploy complex RAG and CAG pipeline systems to find/retrieve domain-specific data using Pinecone vector databases.
 - Tune local and cloud-based LLMs to improve the accuracy of responses and build a robust node js API-layer to interface directly with client facing apps
- Akira Business ERP**
Tech Stack: React, TypeScript, Material UI, Zustand, TanStack Query, React Hook Form
 - Built a scalable business management system that can isolate branch-level data and perform complex dual-currency (IQD / USD) financial processes.
 - Create many financial features, including customizable invoice/voucher builders. Use strict client-side validation using zod and react-hook-form.
- Serverless Business Portals (Car Dealer & Scholarship Systems)**
Tech Stack: React, TypeScript, Firebase (Firestore/ Database), TanStack Query
 - Design and deploy several end-to-end serverless applications from scratch. Each application will have its own authentication, database schema, and front-end structure.
 - Developed complex client-side PDF generation across multiple languages, multi-step secure application form systems and dynamic financial reporting dashboards that can filter by date range.