

Zainab Salah

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EDUCATION

Uskudar University Istanbul, Türkiye
M.Sc. in Cybersecurity 2026 – Present

- **Relevant Coursework:** Application Security, Linux Systems, Penetration Testing, and AI for Cybersecurity machine-learning approaches to phishing and network-threat detection.

Baghdad University Baghdad, Iraq
B.Sc. in Mathematics Science 2015 – 2019

- **Graduation Research:** Operations Research, Grade: A. Studied quantitative decision-making through linear programming, the simplex method, and transportation-model optimization.
- **Supervisor:** Prof. Dr. Bahar Hamal Al-Bahrani.
- **Relevant Coursework:** Linear Programming, Cryptography, C++, MATLAB, and Mathematical Theory.

WORK EXPERIENCE

Dizayn VIP Istanbul, Türkiye
Full-Stack Developer Mar. 2025 – Present

- Developed React and Next.js interfaces for an AI-assistant administration suite, a customer self-service portal, the DTEC automotive AI website, and a token-rewards dashboard on DTEC Space, integrating each experience with REST APIs and asynchronous backend services.
- Modernized an enterprise AI-assistant management platform by separating bot configuration, customer-data extraction, appointment scheduling, email, and call-history workflows into independently maintainable feature modules.
- Defined state boundaries for data-heavy screens using typed API clients, server-state queries, reusable interaction hooks, and cache-aware loading and mutation flows.
- Reorganized data access into feature-scoped API, query, hook, state, and type modules; standardized TanStack Query keys, concurrent cache invalidation, pagination, infinite selection, and loading behavior that preserves cached content.
- Implemented a live voice-listening interface with LiveKit React components, coordinating real-time room connections, streaming events, connection lifecycle, and user-facing playback state.
- Built operational email-management interfaces for SMTP and Microsoft Graph configuration, reusable email scenarios, branded previews and test sends, searchable sent-message logs, and safely rendered email content.
- Improved frontend performance and security through lazy-loaded sections, deferred video playback, responsive image delivery, accessible data tables, Next.js security headers, TypeScript validation, and browser-compatibility targets.
- Built customer self-service workflows for authentication, subscription-gated API-token provisioning, and Shopify OAuth integration, enabling merchants to connect and manage a voice-enabled commerce assistant.
- Built a token-rewards and referral dashboard for DTEC Space, unifying beta-task completion, referral activity, eligibility checks, and platform reward-point claim workflows in one responsive interface.
- Collaborated across frontend, backend, AI, product, and design disciplines; reviewed implementations, debugged integration issues, and delivered features through Git and Bitbucket pull-request workflows.
- Built and maintained backend services with Python, Django, and RESTful APIs, supporting scalable product workflows and frontend integration.
- Designed and implemented a WebSocket-based download manager to coordinate remote project-update delivery and progress-aware user experiences.
- Applied object-oriented design and pragmatic backend patterns to keep service modules extensible, testable, and easier to maintain.
- Developed reusable React and TypeScript components for AI-driven interfaces, improving consistency across product workflows and operational screens.
- Developed a Playwright-based web-scraping service to extract and process website data for downstream product and AI workflows.
- Built a scalable Next.js frontend architecture with reusable React and TypeScript components, feature-scoped API and hook layers, and TanStack Query CRUD flows using structured query keys, mutations, pagination, and targeted cache invalidation; secured client-to-service communication through proxy API routes.

Invizion Holding
Part-Time Frontend Developer

Istanbul, Türkiye
Sep. 2025 – Mar. 2026

- Lead frontend and backend engineering delivery for a multi-application CRM and order-tracking platform, guiding React, Next.js, and TypeScript frontend architecture alongside Django and Python backend development; translate product requirements into scalable modules, API contracts, and implementation plans.
- Created a centralized API and authentication layer covering base-URL configuration, secure session restoration, token refresh, 401 recovery, cache invalidation, and cross-tab synchronization; migrated authentication flows to secure HttpOnly cookies.
- Delivered order and transaction workflows for an order-tracking workspace, integrating complex asynchronous REST operations and end-to-end order-lifecycle data flows into responsive, data-intensive interfaces.
- Designed and implemented enterprise administration workflows for users, departments, desks, roles, and granular permissions, including protected routes and permission-aware UI behavior.
- Standardized the CRM visual foundation through reusable controls, shared table behavior, bulk and three-step selection patterns, and consistent loading, empty, error, and responsive states.
- Structured the frontend as a **pnpm** workspaces monorepo with independently deployable CRM and Affiliate Dashboard applications plus a shared design-system package.
- Delivered security-sensitive account lifecycle flows including first-login activation, secure session handling, administrator-initiated password resets, forced password changes, protected navigation, and role-aware interface actions.
- Established a frontend architecture and quality plan covering module boundaries, shared component conventions, dependency decisions, technical documentation, and mandatory build and type validation before integration.
- Drive code quality through architectural guidance and technical documentation; use ClickUp for sprint planning and delivery tracking, GitHub pull requests for collaborative code review, Postman for REST API validation, and automated build checks to protect integration quality.
- Built, migrated, and maintained production Next.js websites for Rava Interiors, Invizion Capital, Maqam International, and a CEO Portfolio; translated brand requirements into responsive cross-device interfaces, raised Rava's Lighthouse score to approximately 90, implemented Resend lead and contact-email flows, and improved discoverability through semantic markup, responsive images, metadata, `llms.txt`, `robots.txt`, XML sitemaps, SEO, and search indexing.
- Deployed and migrated production websites across Vercel, DigitalOcean, and Google Cloud; coordinated Cloudflare domains, IP allow-listing, storage, and production troubleshooting.

Mazaya Integrated Co. W.L.L
Full-Stack Developer → Frontend Team Leader

Remote
2022 – 2024

- Promoted from Full-Stack Developer to Frontend Team Leader after two years; then led delivery across concurrent projects by assigning work, reviewing code, defining implementation standards, and supporting engineers through technical decisions.
- Built and maintained responsive, cross-browser applications with React, Next.js, JavaScript, CRM integrations, and REST APIs.
- Improved SEO and performance across 50+ pages through semantic HTML, metadata, responsive image delivery, page-speed optimization, and systematic production debugging.
- Supported Node.js and Docker deployments and collaborated with backend engineers to diagnose integration and production issues.

Ibtekar Co. for Tech Solutions
Frontend Developer

Remote
Nov. 2023 – Jun. 2024

- Coordinated requirements, task breakdown, and delivery through GitHub Projects while collaborating with backend developers and product stakeholders across several client platforms.
- Developed the frontend architecture for a QR-code voting application, including responsive ballot interfaces, authentication, validation, and secure vote-submission workflows.
- Built authenticated account, customer, and transaction interfaces for a financial operations platform, integrating React and Next.js screens with CRM and REST services.
- Delivered an education-management platform covering learning content, student and teacher administration, financial operations, and integrated video-streaming experiences.
- Created reusable React components and asynchronous data flows, handled loading and error states, and debugged frontend/backend integration issues across Laravel, Next.js, and MySQL applications.

Noor Al-Awwab
Freelance Full-Stack Developer

Remote
2021 (2-month project)

- Owned delivery of an e-commerce website and product landing experience from requirements and data modelling through implementation, testing, and deployment.

- Built Laravel and MySQL backend services for product catalogue, inventory, shopping-cart, and checkout workflows, with clear separation between business logic and presentation.
- Developed responsive React and Bootstrap interfaces for product discovery and purchasing, ensuring consistent behavior across desktop and mobile devices.
- Integrated frontend forms with backend validation and persistence, resolved full-stack defects, and prepared the application for production handoff within a two-month engagement.

PROJECTS

PDFPal SaaS 🌀 (Personal Project)

- Architected an AI document-chat workflow that ingests uploaded PDFs, uses LangChain and Pinecone vector retrieval to ground answers, and streams OpenAI responses in real time.
- Built SaaS foundations around Kinde authentication, Stripe free/pro billing, tRPC and Zod contracts, Prisma persistence, optimistic message updates, and infinite conversation loading.

Phone Cover E-Commerce 🌀 (Personal Project)

- Built and deployed a Next.js commerce application with Kinde authentication, Prisma-backed data, Stripe payments, file uploads, image processing, and transactional-email integrations.
- Designed the customer-facing product experience with TypeScript, Tailwind, React Query, Zod validation, responsive components, and a Vercel deployment workflow.

Accounting & Finance Platform (Invizion)

- Built financial-operation workflows and a module-based authorization model that maps business operations, field-level access, data scopes, and roles to protected API enforcement.
- Migrated legacy permission rules into a consistent access model, making authorization behavior easier to extend across new finance modules.

Real-Time Chat Application 🌀 (Personal Project)

- Built a full-stack real-time chat application with a React frontend and Django REST backend, supporting authenticated users, chat-room creation, message history, and room management.
- Implemented JWT-based authentication and WebSocket messaging with Django Channels and Redis, enabling live room conversations alongside REST-based CRUD APIs.

Invizion Holding Website 🌀 (Invizion)

- Built and launched a responsive public-facing website with semantic markup, optimized image delivery, structured metadata, SEO, and search-indexable pages.

Rava Interior Design Website 🌀 (Invizion)

- Delivered a polished public landing page for an interior-design brand, translating visual requirements into responsive layouts, semantic markup, and an SEO-ready structure.

DTEC App 🌀 (Dizayn VIP)

- Contributed to Dizayn VIP's main product website and the customer-facing DTEC ecosystem, presenting its product portfolio and connected web experiences.

DTEC Space 🌀 (Dizayn VIP)

- Built and integrated an airdrop and rewards dashboard that brings beta tasks, referral activity, and platform reward-point claims into a single user workflow.

Chatbot Manager 🌀 (Dizayn VIP)

- Modernized a chatbot-management platform by separating bot configuration, data extraction, appointments, email, and call-history workflows into maintainable feature modules.
- Implemented the live voice-listening frontend with LiveKit React components, coordinating real-time room connections and streaming UI state in Next.js.

SKILLS

Frontend	React • Next.js • JavaScript • TypeScript • HTML5 • CSS3 • Tailwind CSS • Redux • Context API • Zustand • TanStack Query
Architecture & APIs	REST APIs • Modular Frontend Architecture • Monorepos • Reusable Component Systems • State and Cache Management
Quality & Performance	Jest • Cypress • Code Review • Lighthouse • Core Web Vitals • Accessibility • Cross-Browser Compatibility • SEO
Backend & Platform	Node.js • Express • Python • Django REST Framework • Laravel • PostgreSQL • MySQL • Docker • Vercel • DigitalOcean • Google Cloud • Cloudflare
Tooling	Git • GitHub • Bitbucket • pnpm • Vite • CI Build Checks • Agile Delivery
AI Development Tools	Claude • Codex
Languages	Arabic (Native) • English (Very Good) • Turkish (Beginner)

HONORS & AWARDS

Türkiye’s Most Advanced AI Automotive Project, OİB 🏆
Featured by Re:Coded: From War-Torn Iraq to Frontend Developer 🏆