

Mahmoud Ibrahim Nasr

Senior Frontend Developer (Angular)

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Professional Summary

Senior Frontend Developer specializing in Angular, with 8+ years in software and 6+ years in front-end development. Builds scalable web platforms for large organizations, most recently a 45+ service workflow portal for King Saud University on Angular 21 with Native Federation, and the Dewan administrative-communications system, where the whole front end was my responsibility. Uses AI across design, test generation and code review to deliver faster.

Technical Skills

Framework & state: Angular, RxJS, NgRx, Module Federation, Native Federation, PWA, Reactive programming

Languages: TypeScript, JavaScript (ES6+), HTML5, CSS3, Sass

UI & design: Angular Material, PrimeNG, Tailwind CSS, Bootstrap, Responsive design, Design systems

Data & integrations: Power BI embedded, Chart.js, ApexCharts, Google Maps, Hijri calendar, PDF & document scanning

Tooling & delivery: Git, GitHub, GitHub Actions, CI/CD, NPM, Unit testing, REST APIs, OAuth / OIDC, Application Insights, ESLint

Work Experience

Senior Frontend Developer

Knowledge Developers (Embedded in King Saud University projects) | Jan 2025 - Present

- Lead the Angular architecture and development of the KSU portal (45+ services) and the Dewan system, gather requirements with university stakeholders, mentor 5 junior developers, review code and use AI to speed up design, testing and delivery.

Mid-Senior Angular Developer

2P Perfect Presentation | Jul 2024 - Jan 2025

- Built the front end of the Maham task-tracking system, converting Adobe XD designs into responsive, cross-browser interfaces.

Junior Angular Developer

Knowledge Developers (King Saud University program) | Feb 2023 - Jul 2024

- Joined the KSU program and worked on 3 of its large systems: the KSU portal, Dewan and Majalis.

Frontend Web Developer

ICE Group | Jun 2021 - Aug 2022

- Developed the front end of web applications.

Junior Frontend Developer

Quna360 | Oct 2020 - Jun 2021

- Developed the front end of an online store in my first dedicated front-end role.

Junior Software Engineer

Crazy Contracting Co. | Feb 2018 - Sep 2020

- Started the software career: developed desktop software (C#) to manage the company's sectors and designed the company website.

Selected Projects

KSU Portal

King Saud University | via Knowledge Developers

A workflow-management platform with 45+ services used by thousands of employees, students, faculty, clients and external entities. Rebuilt from an N-Tier system into microservices on .NET 10 with an Angular 21 front end.

- Gathered requirements with KSU business clients and wrote them up as an SRS.
- Led the Angular architecture of the 45+ service platform: modular, reusable components with RxJS state management.
- Fixed performance bottlenecks: lazy loading, change detection and bundle size.
- Split the front end into micro-frontends with Native Federation and embedded Power BI dashboards and charts.
- Secured sign-in with OAuth/OIDC, added Application Insights monitoring and pinned vulnerable dependencies to safe versions.
- Mentored 5 junior developers, ran code reviews and wired Angular builds into CI/CD with GitHub Actions.

Technologies: Angular 21, RxJS, TypeScript, Native Federation, Power BI, .NET 10, GitHub Actions, AI-assisted dev

Dewan

King Saud University | administrative communications

The university administrative-communications system, used by thousands of users across all university entities. It shortens the time transactions take to move between offices and protects documents from damage or loss.

- Owned the entire front end, from receiving the UI/UX designs to final delivery.
- Set up the project structure, SSO sign-in and Module Federation, and integrated them with the back end.
- Built the business features with clean, organized code, including PWA, document scanning, PDF tools and QR/barcodes, and delivered on time.

Majalis

King Saud University | meetings

An electronic system that manages meetings end to end and lets members collaborate without passing documents around.

- Built responsive, interactive views in HTML5, CSS3 and JavaScript, integrated with the MVC back end over REST.
- Moved the old interface to the new design, turning the XD files into HTML and CSS templates with View and Controller kept cleanly separated.
- Cut render-blocking resources and built reusable UI components.

Maham

2P Perfect Presentation, and King Saud University edition | task tracking

A task-tracking system that organizes users' work and makes supervising tasks easier. A separate university edition uses the same design.

- Translated the Adobe XD files into fully responsive HTML and CSS.
- Worked with the design team so the build matched the visual intent.
- Ensured cross-browser compatibility, then tested and debugged the interfaces.

Education

B.Sc. Computers & Information - Computer Science

Benha University | 2013 - 2017

Graduation project: Excellent

Professional Frontend Web Development Diploma

Route Academy | Sep 2023 - Mar 2024

6-month system-development diploma

Languages

Arabic: Native | English: Good