

AHMED NEMREEN

Technical Lead | Front-End & Application Architecture | Digital Platforms

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EXECUTIVE PROFILE

Technical Lead with 16+ years delivering enterprise web platforms, including 10+ years on Saudi government programs. Leads Angular/Nx application design, frontend quality and integration work on MIM platforms, with earlier GOSI leadership across public services, Taminaty and Labeeb.

Hands-on in Angular, Nx, React and TypeScript, SSR, performance, accessibility and RTL design systems. Published reusable npm packages for Angular UI/tokens, logging and accessibility; has led a team of 8 at EJADA and mentors engineers through architecture, code reviews and framework decisions.

CORE TECHNICAL LEADERSHIP & PLATFORM COMPETENCIES

- Technical & Engineering Leadership
- Front-End & Application Architecture
- Angular, Nx, React & TypeScript
- Design Systems & Component Libraries
- Architecture Reviews & Code Quality
- Performance, SSR & Accessibility
- Developer Mentoring & Cross-Functional Delivery

PROFESSIONAL DEVELOPMENT

- TOGAF® 10 Enterprise Architecture Foundation
- TOGAF® 10 Enterprise Architecture Practitioner
- ITIL Foundation
- AWS Solutions Architect – Associate

FOCUS PROJECTS AND TECHNICAL LEADERSHIP INITIATIVES

MIM Digital Platform Portfolio

Marsad (NIMIC) - nimic.mim.gov.sa

- Guided Marsad's Angular/Nx modular structure, SSR/performance decisions, API/BI integration and the move toward a headless CMS, while standardizing shared frontend patterns.

Tarmeez (PSNR) - psnr.mim.gov.sa

- Supported technical implementation patterns for Tarmeez (PSNR), including secure API consumption, classification interfaces and analytics-oriented reusable UI.

GOSI Digital Program Portfolio

GOSI Main Portal - gosi.gov.sa

- Guided modular frontend design, reviews and engineering standards across GOSI Portal and Public e-Services.

Taminaty Individual & Business - taminaty.gosi.gov.sa

- Developed and reviewed responsive Taminaty Individual and Business interfaces, aligning modular UI, reusable components, enterprise APIs and accessibility.

Labeeb (Ameen at GOSI) - masdr.sa/labeeb

- Contributed to the Labeeb (internally Ameen at GOSI) delivery, implementing reusable UI patterns and integrations for Arabic chat, voice and video experiences.
- Additional delivered GOSI products: Tracker 360, Backoffice, Taqdeer Portal and CRM Portal, with other internal systems confidential. Contributed to GOSI Super App within a wider team.

PERSONAL PROJECTS & OPEN-SOURCE WORK

Independent engineering work demonstrating production-oriented component design, documented application architecture and published open-source packages.

Hisn — Full Solution Architecture, Sole Developer & Product Owner

Project: <https://hisnlab.com/>

- Built the Hisn multi-portal frontend and application architecture (platform deployed on private servers for demos on request; product site live at hisnlab.com), connecting Angular/Nx interfaces to API services and access-control requirements.
- Structured role-isolated UX around tenant boundaries and field-level RBAC, documenting key choices through architecture decision records.
- Worked across Angular/Nx, NestJS, FastAPI, PostgreSQL/pgvector and Keycloak; specified AWS EKS deployment architecture.
- Created API contracts, CI/CD definitions and application-architecture documentation for consistent end-to-end implementation.

Loopwell — Arabic-First Feedback & Follow-Up Prototype

- Designed and delivered a bilingual interactive prototype for feedback insights, assignment and follow-up workflows; applied end-to-end UI/UX and application-design practices.

DGA Angular — Platforms Code Design System

Live demo: <https://nemreen.info/dga/>

- Designed and published an RTL-first Angular design system and UI component library for Saudi digital government portals, with design tokens, reusable components and portal-shell architecture. Released npm packages @a.nemreen/dga-ui and @a.nemreen/dga-tokens.

loggo — Frontend Logging Package

Live demo: <https://nemreen.info/loggo>

- Authored and published @a.nemreen/loggo (MIT), a zero-dependency TypeScript logging utility providing styled console diagnostics in development and production no-op behavior, replacing console.log/warn/error/table/group/time.

a11y — Accessibility Toolkit

Live demo: <https://nemreen.info/a11y>

- Designed and published @a.nemreen/a11y (MIT), a framework-agnostic accessibility toolkit featuring accessibility profiles, visual filters and a reading mask, with Arabic/English RTL support across Angular, React, Vue and plain HTML.

WORK EXPERIENCE

Technical Lead and Solution Architecture Consultant

Apr 2025 – Present

DIYAR - MIM Project (Riyadh, Saudi Arabia)

At MIM, drives frontend and application-architecture work for Marsad and Tarmeez (PSNR), covering Angular/Nx modularity, engineering standards, API integration, SSR and accessibility. Supports team reviews, delivery coordination and production improvement.

- Guided Angular/Nx modularization, SSR and shared UI structure for enterprise digital experiences.

- Established code review conventions, component patterns and technical guidance for frontend contributors.
- Reviewed architectural and code choices for accessibility, runtime performance, maintainability and integration quality.
- Translated UX and business journeys into application modules and API integration expectations.
- Contributed technical estimates and surfaced frontend/back-end integration dependencies during planning.
- Evaluated frontend frameworks and tooling against long-term support and migration needs.
- Maintained expectations for testing, code standards and technical debt reduction.
- Guided reusable components and design-system adoption across digital platform work.
- Coordinated with back-end and DevOps counterparts on integration, CI/CD and rollout concerns.
- Lead application architecture and technical implementation across enterprise digital platforms using scalable, modular, reusable, and maintainable patterns.
- Define engineering standards, framework guidance, reusable platform patterns, and technical solutions with product owners, designers, back-end teams, and developers.
- Lead architecture, technical design, and code reviews, guiding engineers on application structure, framework usage, maintainability, performance, and quality.
- Own technical decisions across discovery, implementation, release, and post-production optimization while keeping teams aligned on architecture and engineering priorities.
- Support sprint planning, backlog refinement, and estimation while identifying technical risks, dependencies, and implementation trade-offs.
- Conduct usability reviews and journey mapping to align application architecture and interface implementation with user needs and platform behavior.
- Define and monitor performance KPIs and evaluate front-end, application, and platform technologies for practical adoption.
- Establish code quality practices, automated testing expectations, architecture governance, naming conventions, and proactive technical debt management.
- Establish and maintain scalable design systems, reusable component libraries, and shared UI patterns that improve consistency and delivery speed.

Technical Lead | Application Architecture | R&D Engineer

Nov 2023 – Apr 2025

EJADA - GOSI Project (Riyadh, Saudi Arabia)

At GOSI, led frontend architecture, framework selection and R&D for major public-facing services; mentored developers and guided reusable UI and integration patterns.

- Led and mentored developers, providing detailed architecture and code reviews and guidance on application structure and framework usage.
- Architected modular UI components and platform modules that maintain reusable, consistent patterns across applications.
- Enforced architecture, code, naming, testing, and maintainability standards across development teams.
- Architected application frameworks, design systems, and component libraries for diverse products and platforms.
- Evaluated and selected Angular, React, and related architecture patterns based on project requirements.
- Collaborated with back-end developers and DevOps engineers on APIs, integration architecture, tooling, infrastructure, and CI/CD.
- Oversaw pixel-accurate, responsive implementation across platforms and devices based on UX designs and prototypes.
- Applied HTML5, CSS3, JavaScript ES6+, and TypeScript capabilities to deliver performant, maintainable implementations.
- Recommended and implemented performance improvements across architecture, rendering, assets, and application behavior.
- Track front-end and platform technologies and guide adoption where they strengthen the architecture.
- Contribute to R&D initiatives exploring new front-end, application, and platform approaches.
- Establish coding standards, naming conventions, organizational methods, and reusable engineering practices across teams.

- Track UX, accessibility, and interface standards and guide their adoption within the platform architecture.

Lead Front-End Developer | UI/UX Developer

Jun 2021 – Oct 2023

EJADA - GOSI Project (Riyadh, Saudi Arabia)

- Led UI/UX design and development for GOSI digital platforms, conducting user research and producing wireframes, prototypes, and visual designs.
- Technically led eight developers delivering GOSI digital products; assigned implementation work, resolved blockers, mentored engineers and enforced architecture and code-review standards.
- Partnered with product managers, designers, and back-end developers to translate business requirements into user-centric solutions.
- Managed project timelines and task delegation, and introduced process and tooling improvements to strengthen performance and scalability.
- Led and mentored a team of front-end developers, conducting code reviews and enforcing coding standards.
- Managed project timelines and task delegation, ensuring on-time delivery of features and updates.
- Mentored junior designers and developers, building a collaborative team culture.

Senior Front-End Developer | UX Developer

Jun 2015 – May 2021

Naseej - GOSI Project (Riyadh, Saudi Arabia)

- Designed and built responsive, user-centered front-end interfaces for GOSI digital platforms, turning UX designs and prototypes into production-ready implementations.
- Led front-end and UX workstreams in collaboration with product, design, and back-end teams, optimizing performance with modern web technologies.
- Integrated front-end implementations with .NET back-end services and modernized legacy web interfaces into responsive, up-to-date experiences.
- Built the front-end and UX foundation that later supported the move into application architecture and technical leadership.
- Develop prototype designs into fully functional websites.
- Utilize expertise in front-end development technologies such as HTML, XHTML, CSS, Java and jQuery to enhance interactivity.
- Create banner ads, email advertisements / newsletters.
- Revamping an old website to new and modern sites.
- Integrate HTML code with .NET.

Senior Front-End Developer

Nov 2013 – May 2015

iHorizons (Amman, Jordan)

Developed and optimized user interfaces, led front-end projects, and collaborated with designers and back-end developers to deliver responsive, performant applications.

- Developing PHP applications, as well as connecting websites with MySQL database and writing queries to retrieve data from it.
- Using web content management systems to manage websites (Joomla / Rama-Vision CMS / WordPress / ...).
- Lead the planning and implementation of projects.
- Track project deliverables using appropriate tools.
- Present reports defining project progress, problems and solutions.
- Quality assurance.

Lead Developer*Apr 2012 – Oct 2013***Chromovision (Amman, Jordan)**

Led development projects and managed a team of developers, designing and implementing features while ensuring code quality and application performance.

- Developing PHP applications, as well as connecting websites with MySQL database and writing queries to retrieve data from it.
- Using web content management systems to manage websites (Joomla / Rama-Vision CMS / WordPress / ...).
- Lead the planning and implementation of projects.
- Track project deliverables using appropriate tools.
- Present reports defining project progress, problems and solutions.
- Quality assurance.

Web Developer*Mar 2011 – Apr 2012***Chromovision (Amman, Jordan)**

Developed and maintained websites, collaborated on feature implementations, debugged issues, and optimized performance using HTML, CSS, and JavaScript.

- Developing PHP applications, as well as connecting websites with MySQL database and writing queries to retrieve data from it.
- Using web content management systems to manage websites (Joomla / Rama-Vision CMS / WordPress / ...).
- Quality assurance.

Consulting Assistant and ARIS Tools Technical*Jul 2010 – Feb 2011***Reach Group (Amman, Jordan)**

Assisted with business process consulting and reengineering using ARIS Tools, developing process architectures and workflow diagrams and preparing documentation — early exposure to enterprise process modeling that continues to inform an architecture-oriented, business-aligned approach to technology delivery.

- Participating in providing consulting services regarding business process management and reengineering.
- Participating in improving processes to reduce waste and continuously improve performance.
- Perform continuous reviews to align processes with business changes.
- Develop business process architectures, process relationship maps, functional relationship maps, cross-functional maps and workflow diagrams using the ARIS BPM tool.
- Research industry trends, best practices and improvement opportunities from all sectors.
- Interviewing client's employees, management team and other stakeholders.
- Preparing all reports, forms and documents needed for business process reengineering.

Technical Support*Dec 2009 – Jul 2010***Network Exchange Technology (Amman, Jordan)**

Handled technical support for ISP services, including troubleshooting, device setup, and network maintenance.

- VOIP System (devices configuration and setup, and billing system management).
- Troubleshooting problems (Dialup – ADSL – Mdaemon Mail Server).
- Maintenance (hardware and software).
- NOC.
- Routing configuration.
- Good knowledge and background in Bluecoat and Fortinet.

EDUCATION

BSc in Computer Information Systems

Sep 2005 – Feb 2009

Al-Hussain Bin Talal University, Ma'an – Jordan

SKILLS

ARCHITECTURE, ENGINEERING & TECHNICAL SKILLS

Technical Leadership & Architecture

- Application Architecture: Modular Architecture, Reusable Patterns, Framework Selection, Technical Roadmaps
- Front-End Architecture: Angular, Nx, React, TypeScript, SSR, Responsive Platforms
- Engineering Governance: Architecture Reviews, Code Reviews, Coding Standards, Naming Conventions
- Quality: Performance, Maintainability, Automated Testing Standards, Accessibility, Technical Debt
- Leadership: Team Mentoring, Technical Risk Management, Estimation, Cross-Functional Delivery

Cloud & Platform

- Cloud: AWS platform design, AWS me-central-1 target deployment architecture (Hisn)
- Platform Engineering: Kubernetes / EKS, Containers, CI/CD, Keycloak / IAM (Hisn)

Front-End & Application Architecture

- Frameworks: Angular, Nx, React, TypeScript, NestJS (Hisn), FastAPI (Hisn)
- Front-End Development: Angular, React, TypeScript, HTML5, CSS3, JavaScript (ES6+), SSR
- Platform Integration: REST APIs, Headless CMS, .NET, BI Dashboards, Omnichannel Experiences

Data & AI

- Data: PostgreSQL, pgvector (Hisn)
- AI / NLP: AI/LLM Integration, Arabic NLP — AraBERT-DLP (Hisn)

Leadership & Delivery

- Team Leadership: Leading and Mentoring Teams, Team Management
- Project Leadership: Task Delegation, Timeline Management, Comprehensive Code Reviews
- Continuous Improvement: Research and Development, Adoption of New Technologies
- Mentorship: Training Junior Developers, Fostering Collaborative Work Environments
- Delivery Tools: JIRA, Trello, Asana

UX & Digital Platforms

- UI/UX Design: Wireframing, Prototyping, Visual Design, User Research
- Design Systems & Accessibility: Reusable Component Libraries, Accessibility, RTL/Bilingual Platforms
- Responsive Design: Cross-platform Compatibility, Mobile-first Design
- Performance Optimization: Code Optimization, Performance Tuning

Soft Skills

- Collaboration: Cross-functional Team Collaboration, Effective Communication
- Problem-Solving: Troubleshooting, Debugging
- Consulting: Business Process Management, Reengineering

Earlier Technologies

Version Control: Git, SVN

Task Runners: Webpack, Gulp, Grunt

Backend Integration: API Integration, .NET Integration

Content Management Systems: Joomla, WordPress, Rama-Vision CMS

Database: MySQL, SQL Queries

Technical Support: VOIP System Setup, Network Troubleshooting, Device Configuration, Bluecoat and Fortinet

Business Process: ARIS Tools, Process Mapping, Workflow Optimization

Design Tools

Figma • Adobe XD • Adobe Photoshop • Adobe Illustrator • Adobe InDesign

LANGUAGES

Arabic — Native **English** — Proficient