

AHMED NEMREEN

Engineering Manager | Application Platforms | Team & Delivery Leadership

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EXECUTIVE PROFILE

Engineering leader with 16+ years of experience building, guiding, and delivering enterprise web and digital platforms, including extensive work across Saudi government transformation programs. Combines people leadership, application architecture, technical delivery, engineering governance, UX awareness, and hands-on front-end and platform experience.

Experienced in mentoring developers, planning and delegating work, reviewing architecture and code, improving standards and tooling, managing technical risks and quality, and coordinating product, design, back-end, DevOps, and business stakeholders through delivery and continuous improvement.

CORE ENGINEERING LEADERSHIP & DELIVERY COMPETENCIES

- Engineering Team Leadership
- Mentoring & Capability Development
- Delivery Planning & Estimation
- Architecture & Code Quality
- Cross-Functional Collaboration
- Platform Engineering & Design Systems
- Technical Risk & Continuous Improvement

PROFESSIONAL DEVELOPMENT

- **TOGAF® 10 Enterprise Architecture Foundation:** coursework completed
- **TOGAF® 10 Enterprise Architecture Practitioner:** coursework completed
- **ITIL Foundation:** coursework completed
- **AWS Certified Solutions Architect – Associate:** in progress

FOCUS PROJECTS AND ENGINEERING LEADERSHIP INITIATIVES

MIM Digital Platform Portfolio

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

- Engineering leadership for the MIM analytics and digital-services platform, coordinating modernization, reusable architecture, BI and API integration, CMS migration, quality standards, performance, DevOps collaboration, and team delivery.

Tarmeez / NRPS - psnr.mim.gov.sa

- Engineering-delivery focus across a national data platform, secure integrations, standardized classification workflows, analytics, quality standards, cross-functional coordination, and phased scaling.

GOSI Digital Program Portfolio

GOSI Main Portal - gosi.gov.sa

- Engineering leadership across GOSI public digital services, guiding teams, reusable platform standards, integrations, performance, accessibility, quality, and delivery governance.

Taminaty - taminaty.gosi.gov.sa

- Team and delivery leadership for customer self-service journeys, shared UI capabilities, integration quality, responsive implementation, performance, and continuous improvement.

Labeeb - masdr.sa/labeeb

- Engineering-leadership focus across a multi-channel AI platform, cross-functional delivery, reusable platform standards, integrations, quality, and Arabic customer experiences.

PERSONAL PROJECTS & OPEN-SOURCE WORK

Independent projects built and owned outside client engagements, as sole developer/architect or freelancer — used here as direct architecture and engineering evidence.

Hisn (حِصْن) — Full Solution Architecture, Sole Developer & Product Owner

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

- Arabic-native DLP and AI compliance SaaS for Saudi enterprise and government customers (NCA ECC 2.0, PDPL, SAMA CSF), designed and built end-to-end as sole architect and developer.
- Owns all architecture decisions and documentation, including schema-per-tenant multi-tenancy isolation (ADR-001), field-level RBAC (ADR-002), and a 4-layer AI processing pipeline (Language → PII → Intent → Risk).
- Architecture stack: Angular/Nx, NestJS, FastAPI, PostgreSQL with pgvector, Kubernetes (EKS) on AWS me-central-1, Keycloak identity, and a custom Arabic NLP model (AraBERT-DLP).
- Produced full architecture artifacts: Technical Architecture Document, OpenAPI contract, CI/CD pipeline definition, privacy impact assessment, and a 7-portal role-isolated application design.

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, including design tokens and reusable component/portal-shell architecture. Published as npm packages (@a.nemreen/dga-ui, @a.nemreen/dga-tokens).

loggo — Frontend Logging Package

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

- Authored and published a zero-dependency TypeScript logging package (@a.nemreen/loggo, MIT) that provides styled console output in development and silently no-ops in production — a drop-in replacement for console.log/warn/error/table/group/time.

a11y — Accessibility Toolkit

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

- Designed and published a framework-agnostic accessibility toolkit (@a.nemreen/a11y, MIT) covering quick profiles, visual filters, and a reading mask, with bilingual Arabic/English RTL support — works across Angular, React, Vue, and plain HTML with no framework peer dependencies.

WORK EXPERIENCE

Technical Lead and Solution Architecture Consultant

Apr 2025 – Present

DIYAR - MIM Project (Riyadh, Saudi Arabia)

Technical Lead and Solution Architecture Consultant responsible for engineering leadership, application architecture, delivery quality, mentoring, and UX guidance across enterprise digital platforms. Coordinates cross-functional contributors, guides technical decisions, establishes engineering standards, manages risks and technical debt, and drives delivery from discovery through release and production improvement. The MIM portfolio includes Marsad (NIMIC) and Tarmeez / NRPS as major digital platforms.

- Lead engineering teams across solution design, application architecture, implementation, code review, release, and post-production improvement.
- Define engineering standards, reusable platform patterns, team expectations, and technical solutions in collaboration with product, design, back-end, and business stakeholders.
- Lead architecture and code reviews, mentor engineers, resolve technical issues, and guide decisions across the platform.
- Own technical decisions across the delivery lifecycle while keeping teams aligned on scope, quality, dependencies, and long-term maintainability.
- Drive sprint planning, backlog refinement, estimation, task coordination, and risk management with technical and business stakeholders.
- Use usability reviews, journey mapping, performance data, and user behavior to help teams prioritize engineering and experience improvements.
- Define and monitor platform KPIs and evaluate technologies and engineering practices that improve team efficiency, quality, and sustainability.
- Establish code quality practices, automated testing expectations, technical debt controls, review processes, and continuous improvement mechanisms.
- Establish scalable design systems and reusable component libraries that improve consistency and enable teams to deliver more efficiently.
- Coordinate with DevOps teams on CI/CD, release governance, deployment reliability, and operational improvement.

Technical Lead | Application Architecture | R&D Engineer

Nov 2023 – Apr 2025

EJADA - GOSI Project (Riyadh, Saudi Arabia)

Technical Lead responsible for leading and mentoring developers across responsive, high-performance web and mobile platforms. Guided application architecture, framework decisions, reusable components, code quality, UX implementation, performance improvement, R&D, and collaboration with design, back-end, and DevOps teams. The GOSI portfolio included gosi.gov.sa, Taminaty, and Labeeb as major digital platforms.

- Lead and mentor developers through architecture guidance, code reviews, problem solving, and regular support on application structure and framework usage.
- Guide teams in building reusable UI components and platform modules that maintain consistency across applications.
- Establish and enforce architecture, code quality, naming, testing, and maintainability standards.
- Guide delivery of application frameworks and component libraries across multiple products and teams.
- Evaluate frameworks and architecture patterns and guide adoption based on project and team needs.
- Coordinate designers, back-end developers, and DevOps engineers across integration, tooling, infrastructure, and release concerns.
- Oversee responsive implementation and UX quality across platforms and devices.

- Maintain strong engineering practices across HTML, CSS, JavaScript, application architecture, and implementation quality.
- Prioritize and guide performance improvements across architecture and implementation.
- Track emerging technologies and support team adoption where they strengthen products or engineering capability.
- Lead R&D and continuous improvement initiatives that expand team knowledge and improve development practices.
- Establish coding standards, naming conventions, organizational methods, and shared practices across teams.
- Guide teams in adopting UX, accessibility, and interface standards aligned with the platform strategy.

Lead Front-End Developer | UI,UX Developer

Jun 2021 – Oct 2023

EJADA - GOSI Project (Riyadh, Saudi Arabia)

Led front-end development and UI/UX design projects, managed a team of developers, created responsive and user-centric interfaces, collaborated with cross-functional teams, and optimized application performance using modern web technologies.

- Led UI/UX design and development for GOSI digital platforms, conducting user research and producing wireframes, prototypes, and visual designs.
- Led and mentored a team of front-end developers, conducting code reviews and enforcing coding standards.
- Partnered with product managers, designers, and back-end developers to translate business requirements into user-centric solutions.
- Managed project timelines and task delegation, ensuring on-time delivery of features and updates.
- Introduced process and tooling improvements to strengthen performance and scalability.
- 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 implemented user interfaces, led front-end and UX projects, collaborated with cross-functional teams, ensured responsive and intuitive user experiences, and optimized performance using modern web technologies — building the platform and engineering foundation that later supported a move into architecture and technical leadership.

- Primary web designer / front-end web developer with advertising firm.
- 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

Engineering Leadership & Governance

- **Team Leadership:** Leading and Mentoring Teams, Technical Guidance, Capability Development
- **Engineering Governance:** Architecture Reviews, Code Reviews, Standards, Reusable Patterns
- **Delivery Management:** Planning, Estimation, Delegation, Timeline and Dependency Management across Digital and AI Platforms
- **Quality:** Maintainability, Performance, Automated Testing Standards, Technical Debt Management
- **Stakeholders:** Cross-Functional Coordination, Risk Communication, Technology Evaluation

Cloud & Platform

- **Cloud:** AWS (Solutions Architect – Associate in progress), AWS me-central-1 (Hisn)
- **Platform Engineering:** Kubernetes / EKS, Containers, CI/CD, Keycloak / IAM (Hisn)

Application Architecture

- **Frameworks:** Angular, Nx, NestJS, FastAPI (Hisn)
- **Front-End Development:** HTML5, CSS3, JavaScript (ES6+), SSR
- **Content Platforms:** Headless CMS, REST APIs

Data & AI

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

People Leadership & Delivery

- **Team Leadership:** Leading, Mentoring, Coaching, and Team Management
- **Delivery Leadership:** Task Delegation, Timeline Management, Estimation, Comprehensive Reviews
- **Continuous Improvement:** R&D, Process Improvement, Tooling, Adoption of New Technologies
- **Mentorship:** Training Junior Developers, Knowledge Sharing, Collaborative Team Practices
- **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