Saeed Bidrang

Technical Director · Head of Engineering · Solution Architect · Applied AI

Dubai, UAE · UAE resident · Open to senior technology leadership roles in the UAE

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SUMMARY

Solution architect and engineering leader with more than 20 years of building software and more than ten years delivering for UAE organizations. I have led platforms for the World Governments Summit, du, Emaar, Mubadala, and ADNEC, founded and ran a 25-person product company, and now design applied AI systems where a deterministic core does most of the work and models or agents handle only what ordinary code cannot.

EXPERIENCE

Connact Digital Solutions · Independent Technical Director

Dubai · 2023–Present

Architecture, technical direction, and hands-on engineering for government-level events and enterprise platforms.

- **World Governments Summit 2024, 2025, 2026:** Technical lead and solution architect with Omnia. Moved the platform to Sitefinity headless with a Next.js front end; integrated Salesforce APIs, THEOplayer streaming, and multi-site content workflows; ran architecture reviews and sprint planning.
- **World Sports Summit 2025:** Built the event platform on Strapi, Next.js, and AWS.
- **Rail Logic, 2023:** Senior frontend solution architect for the redesign of WHMS, the monitoring system used on BNSF Railway. Rebuilt it on React, Vite, and Tailwind with faster loads and a clearer dashboard.

Applied AI work · Independent R&D

Dubai · 2025–Present

- **Toranj, a carpet design platform:** Tools for Persian carpet designers: view a design from the whole carpet down to a single knot, recolor and correct it, adapt it to another size or loom density, and plan production. Rust engine, custom WebGL2 renderer, Python ML, and a Next.js studio, with 29 written architecture decision records.
- A deterministic engine handles everything measurable (size, density, symmetry, borders). A local model is used only for redrawing motifs at a smaller knot budget, where every sampling method failed, and an agent sits on top.
- The Toranj editor runs as a standalone service with a versioned REST API (OpenAPI 3.1) and an MCP server, so Claude can operate the editor directly and a separate consumer game runs on the same API.
- **Bonadia:** Short daily chair workouts for people over 60, in 15 languages, with a coach who speaks the user's language. One Expo and React Native codebase targets Android phones, Android TV, and the web; a content studio compiles video, ElevenLabs coach voice, and music into offline packages.

Profile · Founder & CTO

Mashhad, Iran · 2016–2023

Professional social network and online meetings platform for Iranians, 25,000 users, six national awards.

- Led two squads across engineering, design, and product, 25 people at peak.
- Rebuilt an AngularJS and ASP.NET MVC monolith as a React PWA and 24 stateless Go services behind a GraphQL gateway, with Kafka, PostgreSQL, MongoDB, Neo4j, Elasticsearch, and Redis.
- Cut server response time by 75% and raised concurrent-user capacity by 40% on the same infrastructure; page loads 50% faster, engagement up 30%.
- Designed the recommendation layer on a Neo4j graph that suggested people to connect with and content to read, based on each member's network and activity.

Omnia · Solution Architect & Team Lead

Dubai · 2009–2016

- Led 50+ web, mobile, and CMS projects for du, Emaar, Mubadala, ADNEC, QDB, Waha Capital, and Abdul Latif Jameel.
- Architected the Saudi Premier League platform for 250,000+ users.
- Built custom content management systems on ASP.NET MVC, AngularJS, and MongoDB; introduced an agile process that raised team velocity by 20%.
- 2011-2013, with Prototype Interactive: websites and platforms for Microsoft, Mastercard, and The Entertainer.

Earlier

- Rail Logic (US, remote), Software Developer, 2007-2009: dashboards and reporting tools for WHMS on BNSF Railway.
- Software engineer roles in Mashhad, 2002-2007: Roya Pardaz Pars, Dadepardazan Hashtom.

SKILLS

Architecture	Distributed systems, microservices, API-first and headless platforms, event-driven design (Kafka), clean architecture, DDD
Applied AI	Agent design with bounded tools, MCP servers, evaluation against measured baselines, small-model training and CPU inference, AI-assisted engineering
Languages	TypeScript, Go, C#, Rust, Python
Front end	React, Next.js, React Native / Expo, WebGL2, Three.js
Back end and data	.NET, Node.js, FastAPI, PostgreSQL, MongoDB, Redis, Elasticsearch, Neo4j
Cloud	AWS, Azure, Cloudflare, Docker, Kubernetes, CI/CD
CMS	Sitefinity (headless), Strapi, Sitecore
Leadership	Team building, architecture reviews, technical roadmaps, client and stakeholder management

RECOGNITION

- Sitecore Certified Developer, 2015
- Six national awards for Profile
- Mentor, speaker, and judge at 20+ startup and technology events

EDUCATION

- Bachelor's degree, Software Engineering, Birjand University of Technology
- Associate degree, Software Engineering, Montazeri Technical University, Mashhad

LANGUAGES

English (fluent), Persian (native)