

Milad Raeisi

Systems Architect · ERP Systems Analyst · Blockchain & AI Engineer

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• PROFILE

Systems architect and full-stack engineer with 20+ years of designing and shipping enterprise software, from bespoke ERP platforms and regulated insurance systems to Bitcoin-native products and production AI. Founder & CEO of SBC (Senior BlockChain LLC), a Grade 1 technology company in Muscat, and core member of Blockcore and Angor. Combines rigorous systems analysis with hands-on engineering: mapping how a business really runs, then turning it into reliable, scalable software.

20+

YEARS EXPERIENCE

200+

PROJECTS DELIVERED

50+

ENTERPRISE CLIENTS

10+

INDUSTRIES SERVED

• PROFESSIONAL EXPERIENCE

Since 2022

Founder & CEO

SBC (Senior BlockChain LLC) · Grade 1 technology company · Muscat, Oman

- Founded and lead a Grade 1 company delivering enterprise software, custom ERP, blockchain infrastructure and AI automation across the MENA region.
- Architected Oman's online insurance platform: CMA compliant, integrated with Dhofar, National Life, Al Ahlia, Vision and Oman United Insurance, plus Omani bank payment gateways.
- Built an international e-commerce platform with Aramex / DHL logistics, Visa, PayPal and Thawani payments and multi-currency checkout.
- Delivered AI models for insurance risk scoring and fraud detection for Omani and regional clients.

Since 2015

Lead Systems Analyst & ERP Architect

CORE FOCUS

Custom ERP Programs · BMS Company & SBC · Iran and Oman

- Lead end-to-end systems analysis for bespoke ERP platforms: stakeholder workshops, as-is / to-be process mapping (BPMN), gap analysis and signed-off requirement specifications.
- Design modular ERP architectures (finance & general ledger, inventory & warehousing, procurement, sales, HR & payroll, production planning and project costing) on one multi-company data model.
- Currently building a modern, modular ERP platform on **Next.js and TypeScript** (React, server-rendered UI, PostgreSQL) for multi-company operations and role-aware workflows.
- Delivered earlier ERP generations in C# / ASP.NET Core on SQL Server and on Odoo with custom Python / OWL modules, with role-based access control, an approval-workflow engine, audit trails and reporting.
- Run legacy data migration, user-acceptance testing, phased roll-outs and staff training; own post-go-live support and continuous improvement.
- Integrate ERP with banks and payment gateways, e-commerce storefronts, shipping carriers and third-party systems via REST APIs.

Since 2022

Core Member & Lead Architect

Angor · Decentralized crowdfunding on Bitcoin

- Designed and built a trustless crowdfunding protocol on Bitcoin with Nostr and Lightning Network integration.
- Led system architecture, UI/UX, cryptographic implementation, documentation, branding and go-to-market; implemented PSBT-based smart escrow, decentralized storage and identity verification.

Since 2018

Core Member

Blockcore · Open-source blockchain platform

- Build custom blockchains from scratch: consensus engines, full-node implementations, wallets and block explorers; developed decentralized identity, tokenization and P2P payment networks.

Since 2015

Founder & Owner

BMS Company · Tehran, Iran

- Founded a software house delivering custom enterprise software, ERP solutions and IT consulting.
- Built Iran's online insurance platform integrating all major insurers and the Shaparak payment network; hired, trained and led multi-disciplinary teams.

Before 2018

Project Manager

National Oil Company · Iran

- Managed enterprise software projects for national energy infrastructure, including custom antivirus tooling and an ASP.NET content-management platform.

2008 to 2018

Senior Software Developer

Freelance & Contract · Multiple clients

- Shipped 200+ web, mobile and desktop applications for fintech, healthcare, manufacturing and government clients, including CRM, inventory and analytics systems.

CUSTOM ERP: ANALYSIS & ENGINEERING

01	02	03	04	05	06
Discover	Model	Specify	Architect	Build	Go live
Interviews, workshops, document review	BPMN as-is / to-be, ERD, gap analysis	SRS, user stories, acceptance criteria	Multi-company, RBAC, workflow, audit	Next.js, TypeScript; earlier .NET, Odoo	Migration, UAT, roll-out, training
Modules	Finance & GL · Inventory & Warehouse · Procurement · Sales & CRM · HR & Payroll · Manufacturing & MRP · Projects & Costing · BI & Reporting				
Capabilities	Multi-company & multi-currency · role-based access · approval workflows · audit trail · configurable reports · bank, payment & logistics integrations · legacy data migration				
Analysis	BPMN 2.0 · UML · ERD / data modelling · use cases · user stories · gap analysis · SRS · UAT planning				
Stack (now)	Next.js · TypeScript · React · Node.js · PostgreSQL · REST / GraphQL · Docker				
Stack (earlier)	C# · ASP.NET Core · SQL Server · Angular · Python · Odoo (OWL, QWeb) · Redis				

SELECTED PROJECTS

ERP Platform on Next.js Modern, modular ERP in active development, building on earlier bespoke ERP generations in C# / .NET. Next.js · TypeScript · PostgreSQL	Enterprise ERP on Odoo Custom modules for manufacturing, healthcare, real estate and retail: HR, CRM, accounting and supply chain. Python · Odoo · PostgreSQL	Oman Online Insurance Platform CMA-compliant platform with leading Omani insurers: real-time quotes, policy issuance, claims and bank gateways. Next.js · PostgreSQL · CMA
Angor Bitcoin Crowdfunding Bitcoin-native crowdfunding with Nostr, Lightning and PSBT-based smart escrow. Bitcoin · Nostr · Lightning	International E-Commerce Multi-vendor commerce with Aramex / DHL / FedEx, Visa / PayPal / Thawani, multi-currency and GCC tax automation. Next.js · Aramex · PayPal	AI Business Intelligence Risk, fraud, churn and claims models; NLP pipelines and recommendation engines. TensorFlow · PyTorch · MLOps

SKILLS, EDUCATION & LANGUAGES

Programming	C#, Python, TypeScript, JavaScript, Go, Rust, Kotlin, Swift, Dart, Java, C++, Solidity
ERP	Custom ERP architecture, Next.js ERP, Odoo (Python ORM, OWL, QWeb), BPMN, UML, data migration
Backend	ASP.NET Core, Node.js, NestJS, Django, FastAPI, Express, GraphQL, gRPC, SignalR
Frontend	React, Next.js, Angular, Vue.js, Nuxt.js, Blazor, TailwindCSS, Redux, Vite
Data	PostgreSQL, SQL Server, MongoDB, Redis, Elasticsearch, Supabase, Firebase
Cloud & DevOps	Docker, Kubernetes, AWS, Azure, GCP, Terraform, GitHub Actions, Jenkins, Nginx
AI & ML	PyTorch, TensorFlow, LLM fine-tuning, RAG, LangChain, Hugging Face, OpenCV, YOLO, MLflow
Blockchain	Bitcoin Core, Lightning, PSBT, Taproot, Nostr, DID / VC, Blockcore, Solidity, Hyperledger
Mobile & Desktop	React Native, Flutter, .NET MAUI, SwiftUI, Jetpack Compose, Electron, Tauri, WPF
Design	Figma, Adobe XD, Photoshop, Illustrator, After Effects, Premiere Pro, brand identity
Education	Bachelor's Degree in Mathematics & Computer Science
Languages	Persian (Farsi): native · English: professional · Arabic: basic