

Ahad Porkar

Senior Software Engineer & Solution Architect

Java · .NET · Process automation (BPMN 2.0 / Camunda) · 16 years in enterprise software

porkar.ahad@gmail.com ahadporkar.com linkedin.com/in/seapr
github.com/AhadPorkar Mashhad, Iran



Profile

Senior software engineer and solution architect with 16 years of building enterprise systems in C#/.NET and Java on SQL Server, PostgreSQL, Oracle and MySQL. For the last six years I led the 18-person platform team behind GraphBPMS, a BPMN 2.0 low-code business process management platform used by public-sector organisations, owning its architecture, release process and security evaluation. Hands-on with workflow engines, DMN rules, dynamic form and report builders and system integration. Fluent technical English; German B2.

16 yrs software engineering	18 engineers led, 6 years	30 platform modules shipped	5,000 concurrent users, load-tested
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Core competencies

- Solution and backend architecture (layered design, DI, RBAC to record level, OIDC/OAuth2, 2FA)
- BPMN 2.0 workflow engines: tasks, gateways, timers, messages, signals, boundary events, call activities, DMN
- Integration: REST/OpenAPI, SOAP/WCF, webhooks, ESB, data-provider abstractions over SQL and services
- Relational data: SQL Server, PostgreSQL, Oracle, MySQL; Dapper/EF Core; reporting and BI
- Engineering leadership: hiring, code review, roadmap, Scrum, release management
- Quality and security: SonarQube, Selenium, JMeter/k6, OWASP ZAP, national security evaluation
- Platform: IIS/Windows Server; Docker and Kubernetes, Azure (AZ-204) in progress
- AI-assisted development and LLM integration in day-to-day engineering

Professional experience

2020 – present	Technical Manager, Head of Platform Engineering Graph — Gostaresh Rahkar Andisheh Farda (GraphBPMS), Mashhad, Iran • Owned the architecture and roadmap of GraphBPMS, a 30-module BPMS platform, and led its 18-person engineering team (5 backend, 10 frontend, UX/UI, Scrum Master, network). • Designed the process engine capabilities: BPMN 2.0 and DMN, versioning that lets running instances finish on their version, sandbox environments, delegation rules, audit trail and activity monitoring (BAM). • Built the data-provider and integration layer (SQL Server, Oracle, PostgreSQL, MySQL, REST, SOAP/WCF, webhooks) shared by forms, processes, reports and notifications. • Ran the release cycle end to end: nightly builds, SonarQube, release candidates, JMeter/k6 load tests (5,000 concurrent users, sub-2-second target), OWASP ZAP penetration tests, on-premise installation in customer data centres. • Took the product through the national AFTA level-1 product security evaluation and delivered the full architecture, topology, database, security and test documentation set for a national transport-infrastructure customer.
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2010 – 2020

Developer → Senior Developer → Project Manager

Khorasan Newspaper (Khorasan Press Institute), Mashhad, Iran

- Built and operated newsroom and editorial systems, classified-advertising systems and the newspaper's Android apps on C#/.NET and SQL Server.
- Progressed from hands-on development to leading projects and small teams; responsible for delivery, estimates and stakeholder communication.

Selected project – GraphBPMS

Low-code BPMS: BPMN 2.0 designer and engine, dynamic form builder (auto-generated tables and web services), Stimulsoft reports and BI dashboards, data providers for four databases and REST/SOAP, Android/PWA offline field app with GIS, multi-organisation tenancy. 30 modules, 168 core tables, about 1,026 stored procedures, 78 controllers, under 2 s for 95% of requests, 500+ TPS. Stack: ASP.NET MVC (C#), IIS, SQL Server, Dapper, Quartz.NET, OWIN/OIDC/JWT, SignalR, Stimulsoft, DevExpress, Leaflet; GitLab CI, Jenkins, SonarQube. Docs: wiki.graphbpms.ir.

Education

2011

B.Eng. in Computer Software Technology (4-year programme)

Asrar Institute of Higher Education, Mashhad, Iran — graduated 13 August 2011

Evaluated by the Zentralstelle für ausländisches Bildungswesen (ZAB), Bonn, as equivalent to a German Bachelor's degree — Statement of Comparability, 3 December 2019 (Reg. no. L2019/181390).

Certifications

2011 – 2012

Microsoft (Certification ID 8136465): MCPD Web Developer 4; MCPD Windows Developer 4; MCTS .NET Framework 4 — Web Applications, Windows Applications, Data Access, Service Communication Applications; MCSA Windows Server 2008; MCITP Server Administrator; MCTS Windows Server 2008 Active Directory and Network Infrastructure.

2019

Microsoft / edX: Learn to Program in Java (DEV276x), Object-Oriented Programming in Java (DEV277x), Algorithms and Data Structures (DEV285x).

in progress

Camunda 8 Certified Professional Developer · Microsoft AZ-204 (Azure Developer) · Kubernetes (CKAD).

Technical skills

Languages

C#, Java, Python, T-SQL/PL-pgSQL, JavaScript

Frameworks

.NET Framework → .NET 8, ASP.NET MVC/Web API, Spring Boot, EF Core, Dapper, Quartz.NET, SignalR

Process & integration

BPMN 2.0, DMN, Camunda 8, REST/OpenAPI, SOAP/WCF, webhooks, ESB, OAuth2/OpenID Connect, LDAP

Data

SQL Server, PostgreSQL, Oracle, MySQL/MariaDB; Stimulsoft, BI dashboards

Delivery

GitLab CI, Jenkins, SonarQube, Selenium, JMeter, k6, OWASP ZAP, Docker, Kubernetes (learning), Azure (learning), Scrum

Spoken languages

Persian (native) · English (fluent, C1) · German (B2)

Additional information

References available on request.