

Abbas Sharifitabar

Senior Software Engineer

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SUMMARY

Senior software engineer with 20+ years building secure, scalable backend services and distributed platforms. Deep expertise in microservices, event-driven architectures, APIs, and cloud-native delivery (Kubernetes, AWS/GCP), with a track record of leading multi-month technical initiatives from design through production. Primary stack Java/Kotlin and Spring Boot; production exposure to Node.js/JavaScript and actively expanding into TypeScript. Strong focus on low-latency, high-throughput systems, operational excellence, and pragmatic engineering culture.

CORE EXPERTISE

BACKEND

Java, Kotlin, Spring Boot, REST APIs, Microservices, Node.js/JavaScript, TypeScript (adopting)

DATA & MESSAGING

Apache Kafka, Apache Flink, Hadoop, HBase, Spark, Parquet, Elasticsearch

DISTRIBUTED SYSTEMS

Event-Driven Architecture, Hexagonal Architecture, Asynchronous Processing, Reliability, Fault Tolerance

CLOUD & INFRASTRUCTURE

Kubernetes, Docker, AWS, Google Cloud, CI/CD, Observability (Grafana, ELK)

EXPERIENCE

Senior Software Engineer, Delivery Hero

Dec 2023 – Present

Berlin, Germany

- Designed and operated a payment orchestration service coordinating multi-service transaction flows (fraud, PSPs) for high reliability and throughput, using Hexagonal Architecture, persistent state, REST callbacks, and domain events
- Drove design, implementation, and phased rollout of smart routing – automatically shifting traffic from an underperforming primary PSP to a backup based on country-level success rates
- Drove the reconciliation RFC and cross-team implementation, improving operational correctness of settlement flows in production

Java Kotlin Spring Boot Microservices PostgreSQL Hibernate Kubernetes AWS RDS/EKS Gradle GitHub Grafana

Senior Software Engineer, ResearchGate

Jan 2022 – Dec 2023

Berlin, Germany

- Developed and maintained Apache Flink pipelines that transform data-lake snapshots into pre-calculated datasets consumed by downstream product services
- Partnered with data platform and product teams to deliver and optimize Flink pipelines for performance and reliability across a broad portfolio of production workloads

Apache Flink Hive Kubernetes Rancher Microservices Azkaban Dropwizard ELK Grafana

Senior Software Engineer, IT-Street

Mar 2021 – Dec 2021

Tehran, Iran

- Developed a blockchain solution for searching and swapping smart contracts
- Evaluated a proof-of-concept for high-volume log processing using Apache Kafka

Java Kafka Kafka Streams Microservices Node.js Nginx Angular JavaScript

Senior Software Engineer, Raya Navid Systems

Jan 2020 – Feb 2021

Tehran, Iran

- Led and coordinated a team of 7 developers from architecture through end-to-end delivery of a mission-critical BPMS platform, aligning technical direction and execution while contributing hands-on development
- Led the development of a low-code BPMS platform from scratch, enabling users to model business processes and UIs, execute and debug workflows, and deliver applications with minimal custom development
- Built workflow capabilities using Flowable and BPMN, with Keycloak-based IAM and microservices for integrating business services and data sources
- Designed a data abstraction service that mapped conceptual data models transparently to PostgreSQL, Oracle, and other heterogeneous databases

Java Spring Boot Microservices Flowable BPMN Keycloak Elasticsearch MongoDB MariaDB TeamCity
Nginx

Senior Software Engineer, Sahab Pardaz

May 2016 – Dec 2019

Tehran, Iran

- Built a distributed data-ingestion framework processing up to 3M log events per second, using Kafka, Parquet, and HBase
- Developed data-processing and ETL pipelines supporting analytical reporting and business intelligence
- Built a data visualization application and serving layer for a big-data platform
- Provisioned and containerized infrastructure using Ansible and Docker, managed through Rancher
- Implemented service and infrastructure monitoring using ELK and Zabbix

Java Spring Boot Kafka Hadoop HBase Parquet Spark Elasticsearch Ignite Drill Docker Ansible
Rancher Jenkins GitLab Zabbix Nginx Tomcat

Senior Software Engineer, Hasin Technology

Jun 2014 – May 2016

Tehran, Iran

- Developed backend services and SDKs for a mobile backend platform, providing APIs for search, push notifications, and user management
- Designed and developed an early PaaS foundation for an omnichannel BPMS solution, which later evolved into the low-code BPMS platform developed at Raya Navid Systems

Java Spring Boot Elasticsearch Solr Activiti Microservices MySQL MongoDB BPMN

Senior Software Engineer, Caspco

2008 – 2014

Tehran, Iran

- Led the architecture team for a large private bank's core-banking modules, aligning technical direction with banking stakeholders and translating business requirements into system designs
- Designed financial messaging middleware supporting the bank's broad range of financial operations
- Designed and developed a lightweight ORM framework tailored to the core-banking platform, prioritizing performance and tight control over internal requirements
- Contributed to the architecture of a data warehouse and BI reporting solution using Oracle BI Suite

Software Engineer, Samin Engineering Group

2000 – 2008

Tehran, Iran

- Developed SCORM 2004-compliant e-learning and virtual university platforms, including LMS, virtual classroom, and video conferencing systems
- Developed a news distribution system using a statistical, training-based model for automatic subject classification

LANGUAGES & EDUCATION

LANGUAGES

Persian – Native · English – Fluent

EDUCATION

B.Sc. in Computer Engineering, Sharif University of Technology, Tehran, Iran, 1994 – 1999