

• Ali Shahidi

Backend Developer — Java & Spring Boot

alishahidi.net alishahidi1376@gmail.com +98 935 416 2611 github.com/alishahidi Tehran, Iran

PROFILE

Backend software engineer specializing in Java and Spring Boot, focused on designing and implementing distributed server-side systems, software architecture, and scalable, reliable services — with particular attention to data structures and how the components of a system communicate.

I work across the full backend stack: microservices and event-driven architecture, relational and geospatial data, messaging and streaming, and the infrastructure that runs it. Stability, extensibility, and precision of design come first — my aim is to build systems that don't merely work, but that teams can depend on with confidence.

EXPERIENCE

Java Software Developer

Feb 2024 — Present

Navashgaran Asr Parseh

- Develop, maintain, and optimize enterprise-scale backend services with Java and Spring Boot.
- Design and implement RESTful APIs for high-traffic production systems.
- Contribute to layered, service-oriented architecture design.
- Drive the migration of data from legacy systems to modern data structures.
- Collaborate closely with backend, database, and infrastructure teams.
- Share technical leadership through code review, technical decision-making, and mentoring of junior and mid-level developers; serve as tech lead on parts of the project.
- Prioritize scalability, stability, and maintainability across production systems.

Skills: Java · Spring Boot · Backend Architecture · Data Migration

Backend Developer (Intern)

Aug 2023 — Sep 2023

Neshan Maps

- Joined the backend team as a formal intern, contributing to backend services for live product features.
- Gained hands-on experience with microservices architecture.
- Implemented caching and data management with Redis.
- Completed Neshan's specialized backend bootcamp, adopting professional development workflows and production practices.

Skills: Backend Development · Redis · Microservices · REST API · Git

PERSONAL

Born 2004

Based in Tehran

Military service: educational exemption

Single

TECHNICAL SKILLS

Languages

Java SQL TypeScript / JavaScript PHP
Python

Backend & Frameworks

Spring Boot Spring Cloud Hibernate / JPA
REST & gRPC APIs WebSocket Netty
Laravel

Concurrency & Performance

Multithreading & concurrency
JVM performance tuning Garbage collection
Caching (Redis / Redisson)
Connection pooling Resilience4j

Building thread-safe, high-throughput services and profiling them under production load.

Architecture & Design

Microservices API gateway
Event-driven (Outbox / Saga)
Domain-driven design Database-per-service
System design Design patterns
Data migration

Databases & Geospatial

PostgreSQL PostGIS Oracle DB
PL/SQL MySQL Redis
ScyllaDB / Cassandra Elasticsearch
ClickHouse GPS navigation

Messaging & Streaming

RabbitMQ Apache Kafka MQTT
WebSocket / STOMP

Software Developer (Frontend Focus)

Feb 2023 – Jul 2023

LaunchingMax

- Built user interfaces for organizational web applications with React.js and HTML5.
- Implemented web pages and integrated them with backend APIs.
- Collaborated closely with the backend team in a team-oriented environment.
- Enhanced UI/UX and contributed to the product development process in a company setting.

Skills: React.js · HTML5 · JavaScript · Frontend Development · Teamwork

PHP Developer

Jul 2019 – Feb 2023

Freelance

- Developed web applications and backend systems with PHP and Laravel.
- Designed and implemented backend logic and database interactions.
- Applied MVC architecture to build modular, maintainable components.
- Built user interfaces with HTML, CSS, and Bootstrap alongside the backend.
- Designed and implemented Apantos, a custom PHP framework focused on security, modularity, and ease of development.
- Delivered independent projects end to end – from requirements analysis through implementation to final delivery.

Skills: PHP · Laravel · MySQL · Bootstrap · System Design · MVC

DevOps & Infrastructure

Linux Docker

Kubernetes (Helm / Argo CD)

CI/CD (Jenkins) Git MikroTik networking

Proxmox / ESXi MinIO / object storage

Observability (Prometheus / Zipkin)

Linux as the primary environment – plus on-prem server provisioning, MikroTik networking, and Proxmox/ESXi virtualization.

Practices & Tooling

Unit & integration testing (JUnit, Testcontainers)

Code review Prompt engineering

LLM-assisted development

STRENGTHS

- Problem solving
- Analytical thinking
- Ownership & accountability
- Effective teamwork
- Composure under pressure
- Focus in demanding conditions

EDUCATION

B.Sc. Computer Engineering

Islamic Azad University, Tehran

2025 – Present

B.Sc. Computer Engineering

Khayyam University, Mashhad

2022 – 2025

Withdrew after relocating to Tehran.

LANGUAGES

Persian (native)

English (intermediate)

SELECTED PROJECTS

Private / under NDA – described at a high level, without client or product names.

Enterprise Backend Framework & Code-Generation Platform

A modular Spring Boot framework and CLI code generator that scaffolds production-ready services with security, persistence, caching, messaging, workflow, and observability wired in – a shared foundation that accelerates delivery across teams.

Java 21 · Spring Boot · Spring Cloud · Multi-module Maven (BOM + 20+ modules) · OAuth2 / OIDC · Redis · RabbitMQ · Resilience4j · Camunda

Real-Time Fleet GPS Tracking & Navigation Platform

Real-time ingestion of vehicle telemetry over TCP/UDP with live position streaming to interactive maps, geofencing, rules-based alerting, and trip analytics for managing large fleets.

Java 21 · Spring Boot · Spring Cloud Gateway · Netty · PostgreSQL / PostGIS · RabbitMQ · Redis · WebSocket · MinIO · React / Next.js · MapLibre

Visual Content Design Studio (Canvas Editor)

A browser-based design studio (Canva/Figma-style) for composing social posts, stories, and menu layouts from reusable widgets, with a server-side render/export pipeline and multi-channel publishing on a contract-first microservices platform.

Java 21 · Spring Boot · OpenAPI / gRPC (contract-first) · Apache Kafka (Outbox / Saga) · PostgreSQL (db-per-service) · ClickHouse · Elasticsearch · Kubernetes / Helm · Next.js

Online Learning / Academy Platform

An event-driven e-learning platform with course catalog, enrollment, payments, verifiable certificates, and CMS-managed content across dedicated user, catalog, commerce, content, media, and notification services.

Java 21 · Spring Boot · Spring Cloud (Eureka, Config, Gateway) · PostgreSQL · RabbitMQ · MinIO · JWT / RBAC · Docker

Zero-Trust Internal Network Access Gateway

A split-tunnel, least-privilege access gateway that exposes only explicitly granted internal services at stable virtual addresses, with a reconcile loop that renders WireGuard peers, NAT/firewall rules, and DNS zones from database state.

Python · FastAPI · PostgreSQL · WireGuard · nftables · CoreDNS · JWT · Docker · React · Electron

Multi-Channel Social-Media Management & Analytics Platform

A multi-tenant platform that unifies inbound conversations across channels, with scheduled publishing, rule-driven automation, and engagement/sentiment analytics over high-volume message data.

Java 21 · Spring Boot · Spring Cloud Gateway · PostgreSQL / PostGIS · ScyllaDB · Redis · RabbitMQ · Camunda BPM · Python / FastAPI · React

E-commerce Platform (Specialty Retail)

A production e-commerce backend built as Spring Boot microservices behind an API gateway, serving a customer storefront, a self-service panel, and an administrative back office.

Java 21 · Spring Boot · Spring Cloud (Eureka, Config, Gateway) · PostgreSQL · RabbitMQ · Redis · MinIO

Assistive Hands-Free Interaction System (IoT + Computer Vision)

A privacy-first assistive system that fuses head-motion (IMU) and webcam eye/gaze tracking into calibrated input events, enabling hands-free computer and smart-home control for people with limited mobility.

Python · MQTT · OpenCV · MediaPipe · NumPy · PySerial · Arduino / C++ (BN0085 IMU) · Event-driven services