MOHAMMAD NASR

SOFTWARE ENGINEER
(JAVA BACKEND DEVELOPER)

A Software Engineer with 2 years of experience on different project. Skilled on software project life cycle from plan and analyze and develop with testing process and finally deploy application on-premise or cloud environment.

EDUCATION

Bachelor of Information Technology (IT) at Yazd University

March 2020 - 2025

studied as Guest software engineering student at Isfahan University of Technology

Sep 2022 - Feb 2023

LANGUAGES

PERSIAN Native proficiency

ENGLISH Limited working proficiency

CONTACT

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in mohammadnasr

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EXPERIENCES

java software developer

Dotin | Feb 2023 - Present

java software developer

Fanap | 2022 - 2023

- as software developer i cooperated with other developer in agile structure for building Restful API for creating digital school application with feature like student management and define exam & homework & take assessment and so on ...

- technology stack : java 8 - hibernate - Postgresql - spring boot - sso with oauth - multi tenancy - gitlab

Java Backend Developer Intern

Maktab Sharif | may 2021 - november 2021

as my first experience in intern duration i learn lot of thing about software design & analyze & development. finally we are creating

Full-Stack Online Exam Application with Spring boot and JSP template engine

MaktabSharif Coding Bootcamp (+320 hours)

Skills

Language: Java , Java script , python

Frameworks: Spring , Hibernate , JPA , Axon , Spring Security , Spring Boot , Spring MVC , Spring Data , Spring Reactive ,Spring Quartz ,Spring Cloud

Database: SQL Server , POSTGRESQL , MYSQL

KEY-VALUE: Redis

Message Broker: Kafka - Rabbit Mq

Software-Architecture: microservices, event driven , CQRS , Event Sourcing

Deployment: Docker

Test: unit test , integration test with Junit , AssertJ , Mockito , WireMock and so on ...

Frontend : Jsp(template engine) , Html , Css , Jquery

Other : Data Structure , SOLID Principle , Clean Code , Git , Maven , Agile management

Projects

1. <u>Full stack Online exam application with spring boot and jsp template engine (mvc architecture)</u>

Online exam application in which Instructors and students can register and take tests at the specified time.

Implemented caching services for questions for the exam.

Session-based authentication , authorization for student , master , admin panel with role & authority

Designed a question bank for each course assigned to a instructor in order to avoid the need to rewrite the same questions every time.

2. <u>create e-commerce application with microservice architecture</u>

create ecommerce application and each microservice has related schema

each service implemented with WebFlux for better performance with back pressure also using quartz for schedule task when placing order

implement api gateway as entry point and route to other services implement other component like (service registry - fault tolerance with resilience 4j , config server for centralize configuration) and also distribute log tracing with zipkin & sleuth

also implement authentication with authorization in microservice with token base with oauth2 & openId

develop testing for each microservice with assertJ & mockito & wiremock

3.design & develop ecommerce application with CQRS - Event Source - Saga pattern

creating ecommerce application with DDD concept
with different service such as (user-order-product-payment) with gateway

separate write operation from read operation for every service using CQRS

also using Axon framework Event store for all write operation that stored as event

add capability when user place order distribute transaction amoung
product (reduceQuantity) , payMoney(in payment service) and finally approve order
with saga pattern

also considering compensating transaction if processing in one microservice failed
rollback each local transaction that already happened successfully

4. Contributing in Data Structure & Algorithm open source project

develop lot of data structure with linear structure like queue , linkedList , stack , hash ,
array

implementing non linear data structure like graph & tree

also we implementing some algorithm for sorting
such as (insertion sort, merge sort , counting sort , quick sort , ...)