



Farhad Navayazdan

Senior Software Developer

Oman, Muscat

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<https://falhad.dev>

Profiles

LinkedIn
farhadnava

GitHub
falhad

Skills

Programming Languages
Java, Kotlin, Python, Rust, Dart, TS, JS

Frameworks
Spring Boot, React.js, Next.js, Jetpack Compose, Laravel, Express.js, KMP, Flutter, Django, FastAPI

Tools And DB's
Git, Docker, CI/CD, PostgreSQL, MongoDB, Redis, Neo4j

Networking
CCNP-level expertise, Network Administration, Socket Programming, Netty, Socket.io, WebRTC, Video Optimization

General
System Design, Jira, TDD, Microservices

Summary

Innovative Senior Software Developer with over 14 years of experience delivering high-impact, scalable software solutions, including specialized applications for the oil and gas sector. Adept at solving complex technical challenges, optimizing system performance, and leading projects from concept to deployment. Passionate about leveraging modern development techniques and technologies to drive efficiency and innovation in industrial software systems.

Education	
Master's in Computer Networks And Communications Yazd, Iran	University of Yazd Sep 2018 to Nov 2021
Bachelor's in Computer Software Engineering Yazd, Iran	University of Yazd Sep 2012 to May 2017

Experience

Esbaar

Senior Software Developer

Muscat, Oman
Oct 2023 to Present

- Enhanced system performance by 40% through comprehensive code refactoring and optimization, resulting in reduced resource consumption, minimized error rates, and improved maintainability.
- Implemented WebRTC integration to enable real-time video streaming capabilities, facilitating immediate monitoring of rig operations for distributed teams.
- Integrated Socket.IO for live WITS data transmission, significantly improving data delivery speed and accuracy.
- Redesigned dashboard and user interface using React, delivering enhanced usability and improved operational efficiency.

Esbaar Website

Farabin

Senior Software Developer

May 2022 to Aug 2023

- Designed and developed a web and mobile application for Equipment Inspection and Lifecycle Management, enabling National Iranian Oil Company (NIOC) to streamline operations and improve efficiency.
- Built a user management system with role-based access control to ensure secure data handling and controlled visibility.
- Implemented features for tracking the complete equipment lifecycle, including usage history, maintenance, and issue reporting, with a ticketing system supporting multimedia uploads.
- Developed tools for inspection management, including mission setup, guided report recording, and unique inspection IDs, alongside customizable dashboards and reports integrated with statistical insights.
- Delivered offline accessibility, enabling uninterrupted functionality within the organization's network.
- Planned advanced features like Risk-Based Inspection (RBI), Preventive Maintenance Optimization (PMO), and intelligent technical responses for future scalability.

Faraabeen Website

Fardad Co

Fullstack Developer

Yazd, Iran
Mar 2019 to Jan 2020

- Designed a platform for efficient tile and stone sales, with supply chain tracking.

Certifications

Network+
CompTIA Network Plus

CCNA
Cisco Certified Network Associate

CCNP
Cisco Certified Network Professional

MCITP
Microsoft Certified IT Professional

Awards

ACM
2013 / 2014
International Collegiate Programming Contest

JavaCup
JCal Contest

Security Cert
cert.ir

Experience

Biratex Co. Tehran, Iran
CTO Apr 2021 to March 2023

- Developed an advanced stock market analysis platform using Python and AI, focusing on predictive analytics for informed decision-making.
- Led DevOps initiatives to optimize deployment pipelines and monitor infrastructure, ensuring seamless operations.
- Implemented CI/CD pipelines using Docker and Kubernetes, achieving faster release cycles and improved software quality.

Biratex Website

Parswater Yazd, Iran
Team Lead May 2020 to March 2021

- Designed and implemented a blockchain-based platform for water share tokenization, enabling secure, transparent trading of water resources. Focused on integrating smart contracts for automated transactions and streamlined user experiences.
- Enhanced system reliability and scalability through performance optimization and robust testing.
- Delivered features like decentralized transaction tracking and detailed analytics for stakeholders, improving decision-making efficiency.

Mapna MD3 incorporated our project as part of their solution to reduce costs and improve efficiency. By integrating our water resource trading platform with their energy and utility systems, they were able to streamline operations and enhance resource management.

Parswater Website

Sandbad Accelerator Yazd, Iran
Mentor / Full-stack Developer Jun 2015 to Feb 2019

- Mentored startup teams, sharing insights from software development and deployment.
- Developed a Vue-based automated cryptocurrency trading assistant and a Java-based Android social platform.
- Built an administrative panel for user management and delivery tracking with Android app integration.

Sandbad Website

Pishtazan Setare Isatis Yazd, Iran
Developer Oct 2014 to Nov 2015

- Developed a web application to manage parking access and route permissions, allowing admins to easily assign, update, and monitor access for individuals and groups.
- Improved parking system efficiency by enhancing security, simplifying workflows, and providing actionable insights through reporting.

Projects

AI Energy	Apr 2024
Developed an AI-powered energy platform with a scalable backend architecture using Python, async processing, and event-driven systems, and built a modern frontend using Next.js. https://demo.ai-energy.om	
Sipan	May 2022
Designed and implemented a web and mobile application for equipment inspection, lifecycle management, inspection tracking, ticketing, and customizable reporting to improve operational workflows and efficiency at NIOC using Kotlin for Android app and Django for backend.	
QMenu	Jul 2021
Developed a Flutter-based mobile application for digital restaurant menus, enabling restaurants to manage and present menus efficiently. Qmenu is a proud partner of 14,000+ restaurants nationwide, improving customer experience and operational efficiency. https://qmenu.us/	
Biratex	Jun 2021
Developed and maintained a cryptocurrency exchange platform for buying and selling popular digital currencies, ensuring a secure and scalable solution using Spring Boot (Backend) and Jetpack Compose (Android & Desktop). https://biratex.com/en/	
Parswater	May 2020
Created an innovative solution for water share tokenization, leveraging blockchain technology to facilitate secure and transparent buying and selling of water stocks. Focused on implementing smart contracts and ensuring seamless transactions for users.	
TileMarket	Oct 2019
Designed a web-based platform for facilitating tile and stone sales, integrating user-friendly features for inventory management and order processing.	
Wallpepper	Oct 2019
Developed an Android wallpaper app with advanced features such as auto-changing wallpapers, categorized browsing, and user-specific suggestions.	
Pixit	Aug 2018
Developed a Telegram-based photo printing solution that leverages the platform's security and ease of use to provide efficient photo delivery services.	
Kish Drivers	Oct 2018
Integrated GPS tracking and API functionality to deliver a convenient taxi location service.	
MineDroid	Mar 2018
Created an Android library for cryptocurrency mining using Android phones.	
Carwasheto	Feb 2018
Developed a platform that connects users with car wash services for on-demand cleaning and convenience.	
Noisly	Jun 2018
Designed an Android music player with pre-defined playlists for enhancing sleep and mood.	
Xfit	Aug 2017
Built an online gym management panel for coaches to plan and track athletic activities. Included features like workout plans, tutorials, progress tracking, and motivational content for gym users.	
ToneTube	Feb 2017
Developed a social media app for music sharing and karaoke, enabled users to share music, sing karaoke, and interact with other users in a social platform.	
Fitpaz	Nov 2016
Designed an app to assist gym-goers with tailored nutritional advice and meal planning.	
Voter	Apr 2016
Designed a real-time voting solution consisting of Android apps for clients and servers. Enabled admins to create polls and users to respond in real time through a seamless interface.	
Moshtary	Sept 2015
Developed a simple yet effective platform for users to showcase their services, boosting personal and business visibility.	