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Senior Software Engineer

Milad Fartash

10 years of experience

Senior Software Engineer and Chief Technology Officer (CTO) with over 10 years of experience in backend development, distributed systems, and technical leadership. Skilled in building scalable software solutions, cloud technologies, and blockchain integration. Currently working as a Scientific Researcher at UCD and Technical Lead at VOTE TRA. Strong problem-solving abilities, teamwork skills, and passion for enhancing customer satisfaction.

Skills

- Strong Problem Solving
- Coding: PHP,Python,C/C++,Java, Nodejs, JS
- Frameworks: Laravel, Lumen, Django, Flask, ExpressJs, FastApi
- IDE: PHPStorm, Pycharm, VSCODE, Notepad++, Eclipse
- Databases: Mysql,MariaDB, MSSQL, PostgreSql, MongoDB
- GIS: OSRM, Google maps SDK, OSM, Nominatim, Postgis
- Infrastructure: Esxi,Vmware,Git,Docker, AWS, Azure
- OS: Linux/Unix, Windows Server
- Webservers: Nginx, Apache, IIS
- Coding Tools: Sqlyog, DBeaver, Postman, SoapUI
- Leading Skills, People Management Skills
- Self-directed, initiative and team player
- Network: Troubleshooting, DNS, hosts, CDN, Firewall, OWASP

Trainings & certifications

- 2019 – Udemy Nodejs Certificate
- 2018 – Udemy Python Certificate.

Education

- 2022 – M.Sc. in Business Administration (MBA), SystemKaran institue, Tehran, Iran
- 2019 - B.Sc. in Computer Engineering, Shahid Beheshti University (SBU), Tehran, Iran

ALTARIS
CONSULTING

Languages

- English
- Kurdish
- Persian

Projects Portfolio

Votetra.eu
(UCD)   [Sep 2023 - Nov 2024]

Role: Tech Lead / Backend Developer
Industry: Sustainable Urban Transport System
Context: Digital Voting Hub funded by Science Foundation Ireland (SFI)
Proposal ID: 22/NCF/DR/11309
Responsibilities:

- Lead of Development and Team in Technical Phase
- Designed and implemented scalable backend systems using Python to support complex data flows.
- Developed secure RESTful APIs, incorporating OAuth, XSRF tokens, and SQL injection prevention mechanisms.
- Deployed containerized applications using Docker and configured CI/CD pipelines with Jenkins and Git.
- Optimized web server configurations using Nginx to handle high-traffic loads efficiently.

Environment:

Django, PostgreSQL, Ubuntu Server, AWS, Nginx, Next.JS, PWA, VS Code. Gitlab, Docker

Witel.ir   [Sep 2014 – May 2024]

Role: Co-Founder, Developer, Tech Lead & CTO

Industry: Software Development
Context: Dev House Company
Responsibilities:

- - Co-founded and scaled Witel.ir from a two-person operation to a leading development house with 50+ developers.
- - Delivered innovative web and mobile solutions to clients, solidifying the company's reputation in custom software development.
- - Lead major technical projects and team development strategies as Backend Developer, Tech Lead, and CTO.
- - Transitioned to a shareholder role in 2024 after successfully building and growing the organization.

Environment:

Php, Python, Laravel, Django, Mysql, MSSQL Server, Asterisk, Mariadb,Git,Docker, VS Code, phpStorm, pycharm, Notepad++, Centos, Ubuntu, Apache, Nginx, etc

Rms.rmto.ir [March 2018 – May 2024]

Role: Co-Founder, Tech lead, Backend Developer
Industry: Custom BPMS/ERP
Context: Road Maintenance & Safety Platform
Responsibilities:

- - Developed and implemented a comprehensive BPMS/ERP platform for the Iranian Ministry of Roads.
- - Streamlined road maintenance operations, handling 1,000+ daily actions across nationwide offices.
- - Built and led a high-performing technical team, ensuring seamless system adoption across governmental offices.

Environment:
Php / Laravel, Mysql, Postgresql, VSCode, PhpStorm, Jquery, React JS, leaflet js,gitlab, docker, phpunit , Centos, ubnutu server, apache.

141.ir [Jan 2014 – May 2024]

Role: Co-Founder, Tech lead, Backend Developer
Industry: Traffic / Transportation System
Context: Alert Platform & Navigation Platform & urgent System
Responsibilities:

- - Designed and managed a nationwide real-time traffic management system, akin to '511' in the USA.
- - Achieved a user base of 5+ million, providing services through web, mobile apps, and a dedicated call center.
- - Partnered with government agencies to enhance road safety and reduce traffic congestion.
- - Develop Features, Make Ideas, Lead Teams , Work With Stack Holder and Customers as Backend Developer, Then Team Lead, Then Project Manager

Environment:
Php/Laravel, Mysql, Postgresql, VSCode, PhpStorm, Jquery, React JS, leaflet js,gitlab, docker, phpunit , Centos, ubnutu server, apache. OSRM, OSM, Google Maps Api& sdk, Leaflet js, Nodejs , Nominatim, Map Libre, Letsencrypt, Arvan CDN , DNS Management, Task Scheduling, Cronjob, SMS Service, DataTables, PWA, Flutter , Responsive Design, Redis, Queue, Clone Server, Esxi, Vmware, Network Protocols, python, Arvan S3 cload object Storage, Arvan Cload Server.

LotteryTether.com **[2022 – 2022]**

Role: Founder, Developer (Personal Startup)
Industry: Blockchain
Context: Blockchain-Based Raffle System
Responsibilities:

- - Developed a blockchain-powered raffle system using Tether (USDT) for secure and transparent transactions.
- - Designed and implemented the smart contract architecture to ensure trust and fairness in the system.
- - Ceased operations due to funding challenges despite strong technical foundations and innovative use of blockchain technology.

Environment:

Tron, Solana, Laravel, Next.js, Mysql, Trc20

Dangify **[2020 – 2022]**

Role: Co-Founder, CTO
Industry: Music Streaming
Context: Kurdish Music Streaming Application.(Android / IOS)
 Responsibilities:

- - Launched a culturally tailored music streaming platform on Android and iOS.
- - Successfully acquired 50,000 active users within the first year of operation.
- - Directed product and technology development for scalable and user-friendly applications.

Environment:

 Laravel, Mysql , Python, Flutter, Jquery, AWS, Amazon S3

Marhaba **[2022 – 2023]**

Role: Co-Founder, CTO
Industry: Ride-hailing, E-commerce
Context: Super Application for Iraq.(Android / IOS)
 Responsibilities:

- - Conceptualized and initiated a super app focusing on ride-hailing and adjacent services for the Iraqi market.
- - Attracted a $10 million investment offer but faced operational hurdles, leading to project discontinuation.

Environment:

 Laravel, Mysql , Nodejs, PWA, AWS, PostgreSQL,

IPAY.iq **[2018 – 2019]**

Role: Co-Founder, CTO
Industry: Finance
Context: Iraq Financial Platform.(Android / IOS)
 Responsibilities:

- - Built a payment platform akin to Asanpardakht in Iran, tailored for the Iraqi market.
- - Lead technical teams to develop secure financial apps but faced market barriers, leading to project closure.

Environment:
 Laravel, Mysql/Mariadb, React Native,AWS.

Offkhor.ir **[2015 – 2016]**

Role: Founder, CTO
Industry: Finance / Entertainment
Context: Discount and Coupon Platform
 Responsibilities:

- - Launched a discount platform that grew to 1,000 active users within a year.
- - Ceased operations after competitors, such as Mopon.ir, entered the market with significant funding.

Environment:
 Laravel, Mysql/Mariadb, Js/JQuery, Html, Css, Payment Gateway.

Awans.ir **[2022 – 2023]**

Role: Co-Founder, CTO
Industry: Insurance, IOT
Context: Pay-as-you-go car insurance.(Android / IOS)
 Responsibilities:

- - Developed an IoT-based insurance solution that gathered real-time vehicle data for usage-based insurance models.
- - Secured 10 billion IRR funding from Razi Insurance but faced operational challenges, leading to closure.

Environment:
 Laravel, Mysql , React Native.

Qpardakht.ir **[2015 – 2016]**

Role: Founder, CTO
Industry: Finance
Context: QR Code Payment Platform Specially for Taxis, Shops, etc.
 Responsibilities:

- - Pioneered a platform enabling payments via QR codes in Iran.
- - Despite initial traction, intellectual property challenges led to the discontinuation of the platform.

Environment:
 Laravel, Mysql , Js.