



Kasra Falahati

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ABOUT ME

Full Stack Developer

Experienced full stack developer with expertise in Django, Bootstrap, HTML, CSS, JavaScript (ES6), TypeScript, Python, Ruby, Git (and GitFlow methodology), RESTful APIs, MySQL, PostgreSQL, and MongoDB. Proficient in Ubuntu Bash scripting, project deployment on Ubuntu using Nginx and Gunicorn, and strong knowledge of Scrum and Agile methodologies.

Professional Experience:

- Italy:** Tech Lead for business management software solutions for the Torino Balon Marketplace and 1Solo Marketplace and tech Supervisor for Signfestival Alba (2 years).
- International:** Web Developer and Technology Consultant for Canadian artist Claire Desjardins and Technology Supervisor for Hotel Aramis Plus (Kish).
- Developed POS systems compliant with ISO 8583 and an internet API for a hospital information system (HIS).
- Successfully identified and resolved a critical bug in the reservation system for the U.S. Embassy in Armenia and Dubai.

Other Skills: Project deployment, system integration, technical consulting, and troubleshooting on international projects.

LANGUAGE SKILLS

Mother tongue(s): Persian

Other language(s):

English

LISTENING C2 READING C2 WRITING C2

SPOKEN PRODUCTION C2 SPOKEN INTERACTION C2

Italian

LISTENING B2 READING B2 WRITING B1

SPOKEN PRODUCTION B1 SPOKEN INTERACTION B1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

EDUCATION AND TRAINING

Information Technology (Bachelor degree)

Islamic Azad University, Science And Research Branch [01/01/2018 – 01/01/2021]

City: Tehran | Country: Iran | Website: <https://srb.iau.ir/> | Level in EQF: EQF level 6

Global Law and Transnational Legal Studies (Bachelor degree)

Università degli Studi di Torino [01/01/2022 – Current]

City: Torino | Country: Italy | Website: <https://www.unito.it/> | Level in EQF: EQF level 6

WORK EXPERIENCE

Full Stack Developer

Magma Marketing - Agenzia di Comunicazione a Torino e Alba [01/01/2023 – Current]

City: Torino | Country: Italy | Website: www.agenziamagma.it | Email address: k.falahati@agenziamagma.it | Name of unit or department: Technology Development - Business or sector: Information and communication

Link: <https://www.1solo.com>

Agenzia di Magma

- **Website Development:** Created websites based on project requirements using WordPress, Shopify, Wix CMS, or custom-built solutions.
- **Project Definition and Task Management:** Defined project scope and created detailed task lists for team members using Agile methodology, ensuring efficient workflow and timely delivery.
- **Team Coordination:** Coordinated tasks among team members, establishing clear timelines with both clients and the development team to ensure smooth progress.
- **Website Maintenance:** Identified and resolved website errors and structural bugs, ensuring optimal functionality.
- **Feature Implementation:** Added new features based on project scope and client needs to enhance website capabilities.
- **SEO Optimization:** Reviewed website content for SEO improvements to boost search engine rankings.
- **SQL Optimization:** Optimized SQL models to enhance website performance and speed.
- **Custom Solutions Development:** Developed new plugins and themes for WordPress using RESTful APIs, WordPress Core API, and WooCommerce API, ensuring tailored solutions for specific business needs.

www.agenziamagma.it

EQUY (Magma/1Solo)

- **Custom Multi-Vendor Plugin Development:** Developed a custom multi-vendor plugin for WordPress tailored to the needs of the Italian antique online market.
- **API Integration:** Used RESTful APIs to facilitate communication between EQUY and partner websites for seamless operations.
- **eBay Product Integration:** Integrated eBay's product creation system to expand vendor reach.
- **Tailor-Made Vendor Solutions:** Created custom vendor creation processes for unique commissions and needs.
- **Invoice System Development:** Developed a specialized invoicing system adhering to the guidelines of Agenzia dell'Entrate, Italy's tax authority.
- **Advanced Shipping Integration:** Implemented advanced shipping systems using BRT and GLS shipping APIs for efficient delivery processes.
- **Stripe API Integration:** Utilized Stripe API for custom refund methods and optimized payment processing.
- **Vendor Authentication System:** Built a robust authentication system ensuring that only authorized vendors could sell, in accordance with the rules of Comune di Torino and the Italian Antique Vendors Organization.
- **User-Friendly Dashboard:** Designed a user-friendly dashboard catered specifically to digitally divided users for ease of use.
- **Ticketing System Development:** Developed a ticketing system to facilitate support and communication between vendors and platform administrators.
- **AI-Powered Product Descriptions:** Integrated AI-powered product description tools using GPT API, enabling vendors to create compelling product descriptions efficiently.

www.1solo.com

Project leader

Balon Torino (Web app per la gestione del mercato) [01/01/2024 – 09/2024]

City: Torino | Country: Italy | Website: <http://balon.marketmanagement.eu/> | Email address: k.falahati@agenzia magma.it | Name of unit or department: Technology Development - Business or sector: Information and communication

Links: <https://www.balon.it> | <https://agenziamagma.it/portfolio-item/market-management-eu/>

Balon Torino (Antique Market Management Web Application)

- **Technologies Used:** Python, Django, Bootstrap, TypeScript, HTML, CSS, JavaScript (ES6), Git, GitLab, SQLite, MySQL, RESTful API, Gunicorn, Nginx, Google Maps API.
- **Antique Market Management Application:** Developed the first web application for managing antique markets, facilitating efficient market assignments and vendor registrations in compliance with the Comune di Torino and Agenzia dell'Entrate regulations.
- **Vendor Registration and Compliance:** Created functionalities for vendor registration based on market requirements, generating forms such as Modello 121/C and other Modello types for various vendor categories (e.g., Hobbist, Ambulanti, Sede Fissa).
- **Market Mapping and Customization:** Implemented a feature for creating and customizing the marketplace map, allowing users to manage stalls visually and assign vendors to specific locations.
- **Dynamic Market Management:** Enabled the creation of multiple marketplace types for different dates, including options for customizing stall pricing based on market type.
- **Vendor Assignment and Reservation Management:** Developed tools for assigning, editing, and managing vendor participation in the marketplace, including reservation quotes and "ghost stall" assignments for unoccupied stalls.
- **Advanced Reporting System:** Designed a reporting system that generates detailed reports in PDF and XLSX formats, including vendor assignments, financial balances, stamps, and more.
- **Financial Dashboard:** Built a comprehensive dashboard featuring over 8 widgets for financial reports, utilizing ApexChart.js for interactive visualizations with JSON and API integration.
- **Role-Based Access Control:** Implemented role-based access control for fine-grained functionality control, ensuring micro-level permissions for each feature.
- **Logging and Monitoring:** Integrated a logging system for tracking actions and maintaining system transparency.
- **Customizable Appearance:** Developed customizable appearance settings to enhance the flexibility of the web application.
- **Special Algorithm for Timber Reduction:** Created a unique algorithm for managing hobbit vendors, offering special considerations such as timber reduction in stall assignments.
- **Notification and Contact Systems:** Built an automated notification system to alert vendors of missing licenses or market absences, as well as an automated email contact system for market communication.
- **Optimized Database Model:** Optimized database models for enhanced performance and scalability.
- **Deployment and Maintenance:** Deployed the web application on Ubuntu using Nginx, Gunicorn, and MySQL, with development initially conducted in SQLite.

<https://agenziamagma.it/portfolio-item/market-managment-eu/>

<http://balon.marketmanagement.eu/>

<https://www.balon.it>

Technology Supervisor

/Sign Festival, Barolo Fashion show [01/04/2023 – Current]

City: Alba | Country: Italy

/Sign Festival, Barolo Fashion show

Computer System Maintenance: Responsible for maintaining and ensuring the smooth operation of computer systems throughout the festival.

Network and Internet Management: Managed and maintained the festival's network infrastructure and internet connectivity to ensure reliable communication and operations.

Media and Broadcast Support: Provided technical support to the media and broadcast teams, ensuring seamless streaming of the festival events online.

www.signfestival.com

Full Stack Developer

Claire Desjardins [01/11/2022 – Current]

City: Toronto | Country: Canada

Claire Desjardins Art Website (Shopify Custom Development)

- **Plugin Development with Liquid Code:** Developed new custom plugins using Shopify's Liquid templating language for archiving old artworks, enabling easy categorization and display of past collections.
- **Custom Sections and Blocks:** Created new custom sections and dynamic blocks with Liquid code to provide a flexible and tailored content structure, allowing for easy updates and personalized design layouts on the website.
- **Theme Customization:** Customized the raw Shopify theme, adding new dynamic features such as interactive galleries, improved navigation, and enhanced product pages for better user experience.
- **Art Inventory Database Integration:** Developed an optimized database system for managing both artworks for sale and sold-out items, integrating Google Drive and Google Sheets with Shopify using Liquid code and Ruby for streamlined data management.
- **Google Sheets Integration:** Automated the process of tracking artwork availability and sales by integrating Google Sheets to update inventory and archive sold items in real-time.

Website: clairedesjardins.com

Technology Supervisor

Aramis Plus Kish (5 Star Hotel) - Mahan corporation [2019 - 2021]

City: Kish | Country: Iran

MAHAN CORP. Contracted Supervisor

- **IT Infrastructure Management:** Oversee and maintain the hotel's entire IT infrastructure, including servers, networking equipment, and security systems, ensuring reliable and secure operations.
- **Wi-Fi and Internet Services:** Manage and optimize the hotel's Wi-Fi and internet services to ensure high-speed, stable connectivity for guests and staff across all areas of the property.
- **Property Management System (PMS) Integration:** Ensure seamless integration and functionality of the hotel's PMS with other systems such as booking platforms, payment gateways, and guest management systems.
- **Tech Support and Troubleshooting:** Provide technical support to hotel staff and guests for any IT-related issues, including hardware, software, and connectivity problems.
- **AV System Management:** Manage audiovisual systems used for conferences, events, and in-room entertainment, ensuring smooth operation and timely troubleshooting of any issues.
- **Telecommunication Systems:** Manage the hotel's telecommunication systems, ensuring smooth and efficient communication for internal and external use.
- **Vendor and Contract Management:** Liaise with external vendors and service providers to ensure timely maintenance, upgrades, and the procurement of IT hardware and software.
- **Data Backup and Recovery Plans:** Develop and maintain data backup strategies and disaster recovery plans to ensure minimal disruption in case of system failures or data loss.
- **Technology Upgrades and Innovations:** Identify and implement new technologies that improve hotel operations, guest experiences, and staff efficiency.
- **Budgeting and Cost Management:** Manage the IT budget, ensuring cost-effective investments in hardware, software, and services without compromising quality and security.

Back-End Developer

Emdad garan Medical Center [01/01/2019 - 01/06/2019]

City: Tehran | Country: Iran

Emdad Garan Medical Center

- **Website Design:** Designed and developed the website based on the client's specific requirements, ensuring a professional and user-friendly interface.
- **Reservation System Integration:** Implemented a reservation system that communicates seamlessly with the Health Information System (HIS), allowing patients to book appointments online efficiently.
- **REST API Development:** Developed a REST API to facilitate the integration of patient test results with the center's HIS, ensuring smooth data exchange and accessibility for medical staff.
- **Queue Management System:** Implemented a queuing system and synchronized it with the HIS system to streamline patient flow and reduce wait times.
- **Technologies Used:** REST API, Central HIS System API, WordPress, Laravel, PHP, Git, MongoDB.

Website: emdadgaranmed.com

Back-End Developer

ARIA PSP [01/01/2018 – 01/01/2019]

City: Tehran | Country: Iran

ARIA PSP (Web-Based POS System Development with ISO 8583)

- **Web-Based POS System Development:** Developed a secure, web-based POS system that complies with the ISO 8583 standard, enabling seamless transaction processing via web browsers for payment handling.
- **ISO 8583 Protocol Implementation:** Implemented the ISO 8583 messaging protocol to support secure communication between the web-based POS system, acquiring banks, and card networks.
- **Payment Gateway Integration:** Integrated secure payment gateways to process transactions such as purchases, refunds, and reversals, ensuring compliance with industry standards.
- **Encryption and Security:** Utilized SSL/TLS protocols and encryption techniques such as AES to protect sensitive transaction data and ensure secure transmission over the internet.
- **Transaction Processing:** Designed web functionalities for handling various transaction types (e.g., purchases, voids, refunds) following ISO 8583 messaging formats, allowing real-time transaction processing directly from web browsers.
- **RTL and Rials Support:** Developed the system with full support for right-to-left (RTL) interfaces and transactions in Iranian Rials, ensuring compatibility with the local market and user preferences.
- **POS Dashboard:** Built an interactive, user-friendly web dashboard for managing transactions, reviewing transaction history, and generating financial reports.
- **Compliance with Web Security Standards:** Ensured full compliance with PCI DSS standards for secure handling of cardholder data, including web application security and encryption practices.
- **Branching Panel Integration:** Integrated a .NET-based branching panel from the main banking system into a WordPress environment by developing an exclusive, custom plugin.
- **WordPress Plugin Development:** Designed and developed a custom WordPress plugin using PHP and WordPress API to optimize and fully integrate the .NET branching panel into the platform, ensuring seamless interaction between WordPress and the banking system.
- **Form Integration and Validation:** Integrated all necessary banking forms into the WordPress plugin, with built-in validation checks to ensure data accuracy and compliance with the main banking system's requirements.
- **Document Check System with Role Flow:** Developed a document checking system based on Iranian banking rules, incorporating a role-based workflow. Each role (e.g., reviewer, approver) processes a part of the document review for releasing POS systems to vendors.
- **Compliance with Banking Regulations:** Ensured the entire document processing and POS release system adheres to Iranian banking regulations, automating checks and balances within the workflow.
- **Optimized Performance:** Enhanced the plugin's performance to support large-scale use while maintaining efficient and secure communication between the WordPress platform and the main banking system.

Technologies Used: PHP, WordPress API, MySQL, RESTful API, SSL/TLS, ISO 8583, RESTful API, MySQL, MongoDB, SSL/TLS encryption, JavaScript, Bootstrap, wordpress.

DIGITAL SKILLS

Linux (Ubuntu) / HTML / CSS / JavaScript ES6 / Git / GitLab / GitHub / Git Flow / Bootstrap / PHP / Python / Django / Ruby On rails / Liquid Code / Bash Script / SQL / MySQL / Postgre SQL / Mongo DB / SQLite / Type Script / REST API / Wordpress / Joomla / NginX / Gunicorn / Postman / Selenium, Requests, BS (Web scrapping) / MS Office (Word, Excel, Powerpoint) / Adobe Photoshop / Adobe Premiere

DRIVING LICENCE

Driving Licence: B