

# VAHID VAKILI-ZARE

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I'm a senior full-stack engineer with +9 years of gorgeous experience in back-end engineering I have professional experience in making web apps from small to large-scale projects.

I always enjoy developing and am an expert in Python and TypeScript. enthusiastically explore new technologies for my efficiency, always looking for new ways to solve problems as efficiently as possible. I have worked at several companies gaining teamwork and leadership skills. I continue to be inspired to excel as a developer and am eager to join a team with similar goals.

## EXPERIENCE

### TECHNICAL CONSULTANT, RAHKARSANAT | راهکار صنعت

DECEMBER 2022 – PRESENT (REMOTE, PART-TIME)

I still learn with a creative and kind team in the field of IOT and Fleet Management...

### FULL STACK ENGINEER, ARIACO | آریاکو

APRIL 2020 – MARCH 2023 (FULL TIME)

Working in the field of financial technologies as a web full-stack engineer and software designer was an opportunity given to me by AriaCo company. During this time, I gained a lot of experience in the implementation of financial platforms as well as the execution of financial transactions and contradictions in the context of NoSQL technologies.

The big challenge I had in designing this platform was the number of client applications that should have the ability to accept each other while having an isolated environment in a common database, and also the architecture should be such that each client can express their own ideas.

### BACK-END ENGINEER, AYANDEH-PAJOOHAN | آینده پژوهان

NOVEMBER 2020 – FEBRUARY 2022 (FULL TIME)

Among my best experience as a back-end engineer in cooperation with a software company is Ayandeh Pajooohan Company in health technology, which had a very open vision in the field of open-source development and provided solutions with scientific support that encourage me to develop a BPMN engine.

30TEB is a home care service application developed using PWA by VueJS and NestJS with NoSQL technologies, also provides service to the patient and attendant at their own location within the city using OverpassAPI and also provides the possibility of audio and video chat using WebSocket and WebRTC for communication between patients and doctors.

Among the challenges faced in this project was the use of Push Notification on the web platform in browsers specific for each user, which we achieved this difficulty by using the IndexedDB.

## **FULL-STACK DEVELOPER, YEKTA-ERTEBAT | یکتا ارتباط تعاملی پرتونما**

**AUGUST 2019 – SEPTEMBER 2020 (FULL-TIME)**

Working with Yekta Ertebat was one of my most exciting collaborations with a growing and developing company. In this company, I had a great experience in team collaboration as a full-stack engineer.

Among the tasks that I was engaged in at Yekta Ertebat Company was the design and development of a store builder and, an integrated customer club. In addition, for some time I was engaged with scraping data using tools such as Appium and Selenium.

In the Kasbify project, using artificial intelligence as a customer behavior predictor to buy from a store or order from it was a challenge that we overcame by using a customized Q-learning reinforcement learning algorithm.

## **FULL-STACK DEVELOPER, TAVAN-MOJ-E-KARMANIA | توان موج کارمانیا**

**SEPTEMBER 2013 – AUGUST 2015 (REMOTE, PART-TIME)**

During the period of cooperation with Tavan Moj Karmania company, I worked as a software designer and full-stack developer using PHP language and Laravel framework along with MySQL database and dashboard designed with Bootstrap and AngularJS.

Among the challenges, I was dealing with at this time was the real-time display of information resulting from location data registration using RFID. To overcome this problem, a set of required statistics is stored in the database for each data registration request, such as counting and totaling in discrete time blocks to show in the dashboard.

## **PROJECT**

### **ABACL - OPEN SOURCE PUBLISHED**

Attribute Based Access Control Library

Link: <https://www.npmjs.com/package/abac>

### **WORKFLOW ENGINE - OPEN SOURCE PUBLISHED**

WorkflowJS is a lightweight and flexible library for building workflows and processes with NodeJS. It allows you to define processes using BPMN 2.0.

Link: <https://www.npmjs.com/package/@vhidvz/wfjs>

### **NAMING CONVENTIONS - OPEN SOURCE PUBLISHED**

Simple and Fast naming conventions modeler implemented by Proxy, zero dependencies.

Link: <https://www.npmjs.com/package/naming-conventions-modeler>

### **WIDE | واید**

نخستین هایپر اپلیکیشن - پرداخت موبایلی بدون تماس بیسیم  
پلتفرم واید امکان حذف کارت و دستگاه کارت خوان بانکی را میسر نموده است. این اپلیکیشن بر روی موبایل و تبلت های هوشمند اندروید و آیفون نصب می شود و امکان پرداخت و دریافت پول را به سادگی برای فروشنده، مشتری و تمامی افراد فراهم می نماید

Link: <https://wide-app.ir>

### **30TEB | سیطب**

سامانه یاری رسان طلوع بهبودی به عنوان پلتفرم کاربردی جهت تأمین، ارائه و دسترسی به خدمات بهداشتی درمانی در منزل است که اختصار آن سی طب نام دارد

Link: <https://landing.30teb.app>

## KASBIFY | کسبیفای

ما سامانه ای را فراهم آورده ایم که نیازهای شما در هر صنعتی، با هر اندازه و بازار فروشی را تامین خواهد نمود. با همراهی ما درک کاملی از فرآیندهای فروش آنلاین و آفلاین، انبارداری، توزیع، تامین محصول، مشتری مداری یا هر موضوع مرتبط دیگری خواهید داشت. زیرا هدف نهایی ما و شما افزایش میزان فروش و بهبود ضریب بازگشت مشتری است. ابزار اصلی در این راه جمع آوری داده های دقیق و با جزئیات لازم از خریداران در هر سکو و پلتفرم فروش است. این داده های تجمیعی باث میشود که استراتژی های مشتری محور با دقت بالاتری طراحی و اجرا شده و با سنجش دقیق آمارهای لحظه ای به خلق بهترین تجربه خرید اختصاصی مشتری می انجامد

Link: <https://kasbify.com>

## RESEARCH

Parallel computing and massive data processing with real-time streaming approach and its application in natural language processing, Vali-e-Asr University Of Rafsanjan (August 2016).

Local fleet management system, Vali-e-Asr University Of Rafsanjan (September 2016).

Investigation of neurons simulators and comparison criteria, Vali-e-Asr University Of Rafsanjan (September 2015).

## PUBLICATION

V. Vakili, H. Rezaei, K. Rezaei, K-Nearest Neighbors Using Small Data and Deep Neural Networks, 3<sup>rd</sup> International Conference on Soft Computing, Guilan, Iran (2019).

## EDUCATION

### UNIVERSITY OF SISTAN AND BALUCHESTAN

September 2016 - September 2018

#### **MASTER,** COMPUTER SCIENCE

Thesis: K-Nearest Neighbors and Support Vector Machine Classification using Deep Neural Network Representation.

### VALI-E-ASR UNIVERSITY OF RAFSANJAN

September 2012 - September 2015

#### **BACHELOR,** INFORMATION TECHNOLOGY

Talented Undergraduate Student in the field of information technology engineering at the Vali-e-Asr University of Rafsanjan.

## TEACHING

### ASSISTANT

SEPTEMBER 2016 – FEBRUARY 2017

Faculty of Information Technology, University of Sistan and Baluchestan, Zahedan, Iran

### ASSISTANT

SEPTEMBER 2013 – SEPTEMBER 2015

Faculty of Computer Engineering, Vali-e-Asr University Of Rafsanjan, Kerman, Iran

## CERTIFICATE & WORKSHOP

NETWORK+ CERTIFICATE

**APRIL 8, 2014**

WORKSHOP ON MODERN TRANSLATION METHODS

**RAFSANJAN, IRAN (MARCH 6, 2013)**

## LANGUAGE

- **English:** Professional working proficiency
- **Persian:** Native or bilingual proficiency

## SKILLS

TypeScript, Python, Rust, MongoDB, Redis, MQTT, Kafka, EMQX, RabbitMQ, K6, gRPC, PHP, Tensorflow, GraphQL, RESTful, TDD/BDD, PWA, Jest, Scikit-Learn, Keras, HTML/CSS, C/C++, WebRTC, Shell Scripting, Laravel, ExpressJs, MySQL, NestJS, Vue, ElectronJS, VSCode, Bootstrap, Tailwind, JQuery, CI/CD, SSR/CSR, SocketIO, Docker, Kubernetes, GitFlow, SOLID, DRY/WET, Clean Code, Crawling, Selenium, Web Scraping, Appium, OpenAPI, Agile, SCRUM, Kanban, JWT, Linux