VAHID VAKILI-ZARE

Web Full-Stack Engineer

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ABOUT

I always enjoy programming and I have been +9 years' experience in this field professionally. I am an expert in Python and TypeScript and very interested in working with a motivated and creative team. I have always tried my best to do my job accurately and by the standard. It is worth mentioning that commitment and work ethic are the main priorities in my job. Linux Manjaro and Open Communities are my top favorites.

CONTACT

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WORK EXPERIENCE

RahkarSanat | راهکار صنعت
Technical Consultant (Part Time)
December 2022 – Present (Remote)

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

Skills: TypeScript, MongoDB, NestJS, Redis, GraphQL, Mqtt, SocketIO, gRPC, ...

AriaCo | آریاکو
Full-Stack Engineer
April 2022 – March 2023

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.

Skills: TypeScript, MongoDB, NestJS, Redis, PWA, Mqtt, Scrum, Jest, K6, ...

Ayandeh-Pajoohan | آینده پژوهان پیشرو دانش و فناوری سلامت
Back-End Developer
November 2020 – February 2022

Among my best experience as a back-end engineer in cooperation with a software company is Ayandeh Pajoohan 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.

Skills: NestJS, Redis, WebRTC, OpenAPI, GraphQL, Jest, SocketIO, PWA, SSR/CSR, ...

Yekta-Ertebat | یکتا ارتباط تعاملی پرتونما
Full Stack Developer
August 2019 – September 2020

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.

Skills: Agile, SCRUM, Trello, Kanban, Jira, Selenium, Vue2/3, MongoDB, Express.JS, ...

Specialist Recruitment Test Referee (Fanavard)
Kerman, October 2017

Tavan-Moj-e-Karmania | توان موج کارمانیا
Full Stack Developer
September 2013 – August 2015

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.

Skills: MySQL, PHP, Laravel, Bootstrap, AngularJS, RFID, …

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).

PROJECT

Attribute Based Access Control Library

Open Source Published
https://www.npmjs.com/package/abacl

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

Open Source Published
https://www.npmjs.com/package/@vhidvz/wfjs

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

Open Source Published
https://www.npmjs.com/package/naming-conventions-modeler

واید | **Wide**

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 تبلت‌های هوشمند اندروید و آیفون نصب می‌شود و امکان پرداخت و دریافت پول را به سادگی برای فروشنده، مشتری و تمامی افراد فراهم می‌نماید.

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.

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 جزییات 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.

https://kasbify.com/

PUBLICATIONS

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

SCIENTIFIC WORKSHOP

Network+ Certificate (April 8, 2014).

Workshop on modern translation methods, Rafsanjan, Iran (March 6, 2013).

TEACHING EXPERIENCE

Teaching Assistant

Department of Information Technology, University of Sistan and Baluchestan, Zahedan, Iran (September 2016 – February 2017).

Teaching Assistant

Department of Computer Engineering, Vali-e-Asr University Of Rafsanjan, Kerman, Iran (September 2013 – September 2015).

EDUCATION

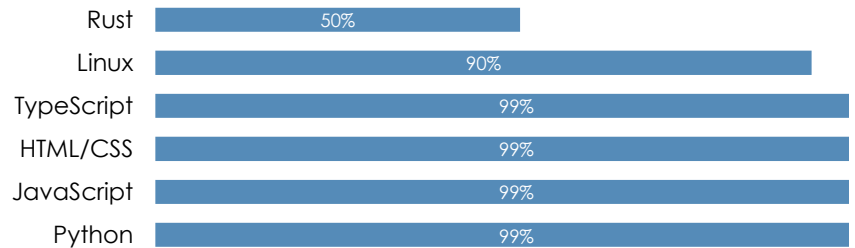**University of Sistan and Baluchestan**
September 2016 - September 2018

Master of computer science in the field of Intelligent systems.
Thesis: K-Nearest Neighbors and Support Vector Machine Classification using Deep Neural Network Representation.

Vali-e-Asr University Of Rafsanjan
September 2012 - September 2015

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

SKILLS

Skill	Level
Rust	50%
Linux	90%
TypeScript	99%
HTML/CSS	99%
JavaScript	99%
Python	99%

LANGUANGE

Language Skill	Level
Speaking	60%
Listening	80%
Writing	90%
Reading	90%