

Arsalan Ghofrani

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Experienced software developer with over 5 years in JavaScript, specializing in ReactJs, Typescript, NodeJs, and NextJs. Passionate about using technology to solve problems, I excel in creating user-friendly interfaces and turning complex requirements into practical solutions. Beyond web development, my versatility enables effective collaboration in diverse projects. Committed to code quality, I thrive in dynamic environments, embracing challenges proactively. Dedicated to continuous growth, I seek opportunities to expand my skills and stay current. With strong communication and a collaborative approach, I've ensured project success and client satisfaction. Excited to contribute my skills and passion for technology to dynamic teams, particularly in machine learning and artificial intelligence.

Projects

Pragmidea LTD, United Kingdom, London

Sep 2022 - ongoing

Web Development Agency

Typescript, NodeJs, Nextjs, Tailwind, Redis, RabbitMQ

- Implemented strategic refactoring of legacy React class-based code, guided by the detection and improvement of 'code smells' as outlined in Martin Fowler's 'Refactoring' textbook and transforming it into functional components.
- Enhanced front-end performance by identifying and minimizing unnecessary re-renders. Utilized the 'Profile' tab in 'React DevTools' to isolate the cause and find the solution.
- Deployed a testing process containing unit, integrated, and end-to-end tests using industry-standard tools such as Jest, the React Testing Library, and Cypress for comprehensive e2e testing scenarios.
- Migrating the blog posts of +5 website from Wordpress to a CMS called Directus (postgress backup using wordpress plugin, agregating posts using SQL query, converting posts' html fromat to markdown)
- Developing a crypto payment gateway that connects an internal SDK to clients using an HTTP server and RabbitMQ messages
- Authored essential company procedures guiding onboarding and offboarding processes, alongside best practices for writing tests among other standards, with the goal of smoothing the transition for incoming team members.
- Streamlined routine procedures by leveraging Node scripts, particularly for tasks such as server migration and data schema resetting, increasing the efficiency of our automation process
- Implementing pixel perfect single page applications in NextJs using SSR and SSG features in NextJs

AASAL DIGITAL GROUP

March 2022 - Aug 2022

Crypto Exchange

Typescript, MUI, Nextjs, Docker, Jenkins, Nodejs

- Refined front-end performance of a cryptocurrency exchange by 80% and boosted Google Lighthouse score by 50% through refactoring..
- Designed and shipped an admin dashboard in 2 months, adhering to agile architecture, maintainability, scalability, and clean coding principles.
- Led and trained a team of 8+ developers, ensuring team's programming skills and adherence to best practices, and transformed the company from a traditional project management system to an agile one.

ZaardAlu

Jan 2020 - Mar 2022

Enterprise Application

Typescript, React, Mobx, Styled Components

- Created visually appealing and 20+ responsive page designs.
- Performed writing over 150+ maintainable tests, including unit tests and integration tests.
- Constructed a large collection of over 30+ high-performance, reusable components and hooks libraries.

SELFIT GROUP

May 2018 - Dec 2019

Enterprise Application

Typescript, React, Mobx, Styled Components

- Gained expertise in Web Development and React quickly through independent work and resolution of use cases and bugs in a 6-month period.
- Facilitated in developing a successful startup with roughly 2000 customers, including contribution to existing codebases and exploration of web development tools and technologies.

A personal Project

Truffle, Solidity, Solium

- Initiated and led a personal blockchain project, leveraging Truffle as the primary development framework for a robust, decentralized application architecture.
- Utilized Solidity for smart contract development, ensuring secure, efficient, and functional blockchain interactions.
- Implemented and tested smart contracts using Truffle's comprehensive testing framework to guarantee reliability and performance consistency.
- Employed Solium for code analysis, ensuring adherence to industry-standard coding practices and enhancing contract security.
- Optimized smart contract deployment and interactions, leading to increased transaction throughput and reduced gas costs.
- Collaborated in a self-directed environment, demonstrating strong problem-solving skills and adaptability in rapidly evolving blockchain technology.

49Travels - Freelance

Apr 2023 - Jul 2023

A Travel Itinerary Project Based On User Input

Typescript, Prisma, NextJs, ai, openai-edge, NextAuth, Mapbox

- Leveraged the GPT AI model to transform the user prompt into a detailed itinerary for each day of travel, thereby enhancing the overall user experience.
- Incorporated Mapbox to pin the AI-suggested locations on the map, offering a visual representation of the travel plan.
- Managed user authentication process utilizing the NextAuthJs framework, ensuring a secure environment for user data.
- Deployed Prisma as a data management solution for storing popular user prompts and authentication data

Skills

Programming Languages:

Python, Java, JavaScript, Typescript, C++, Matlab, C#

Web Development:

ReactJs, NextJs, NodeJs, Express, Docker, Git, Jest, Testing Library, Mobx, React Query, ESLint, Prettier, Husky, GraphQL, Apollo, OpenAPI, Headless CMS, CSS (Grids, Styled Components, Emotion, MUI, Tailwind), HTML, Angular, SQL, Jenkins, Posgress, Prisma, Zod, Mapbox, RabbitMQ, AWS, S3

ML and Data Science:

Linux, Neural Networks, TensorFlow, Artificial Neural Networks, Deep Learning, Data Science, Data Mining,

Computational and Data Related Tools:

Python(NumPy, Pandas, Matplotlib, scikit), R

Blockchain:

Blockchain Technology, Cryptography, Web3, Smart Contracts, Truffle, Solium.

Certifications:

Pre-Master's of Computer Science (Bahai Institute of Higher Education) A 2-year program (24 credits) which covers fundamentals of computer science. Design Patterns, Design Algorithms, Data Structures, Object Oriented Programming, Data Base, Introduction to Computer Systems, Machine Learning

Education

MSc. in Computer Science | Bishop's University, Sherbrooke, Canada

Sep 2023 - ongoing

Thesis: The relationship between brainwaves and perceived enjoyability. This SRC funded study focuses on the data analysis of psychological versus physiological study of high intensity interval training by extracting features from EEG dataset, including markers of brainwave activity such as alpha and gamma band power/peak frequency, visually induced responses, and event-related potentials.

MSc. in Physics | University of Tehran, Iran

Sep 2018 - Dec 2021

Thesis: Finding non singular solutions of Einstein's equation using Israel junction conditions

BSc in Physics | University of Tehran, Tehran, Iran

Sep 2014 - Jun 2018

Undergraduate Project: Conducted a study on the correlation of traffic patterns across major streets in Tehran. Utilized Python (Pandas, PYQT5, Selenium) to efficiently extract and analyze traffic data pulled directly from Google Maps.

Languages

English

Professional proficiency

French

Basic

Intrests

Playing Piano

I love playing piano and also I am a fan of classical music with a particular affection for compositions from the Romantic and Late-Romantic era. Notably pieces by composers such as Chopin and Rachmaninov

Traveling

Seeing new places, sampling different cuisines and experiencing various cultures is always exciting for me.