

Muhammad Shoaib Amin

Software & Data Engineer

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WORK EXPERIENCE:

Middleware Engineer - Spire Tech, Financial Technology Manama, Bahrain 5/22 - Present.

Offering backend and devops services. Managing message processors and adapters, containers, APIs, microservices, server backend, unit tests, databases, cron jobs, custom templates, etc. (Python, MSSQL, Typescript, NodeJS, ExpressJS, Axios, Requests, gRPC, RabbitMQ).

Software Engineer - Soladd LLC, Reynoldsburg, US 1/21 - 12/21.

Offering web and data engineering services. Managing development, UI, UX, analytics, APIs, microservices, server backend, database, cron jobs, social API integration, template engines, etc. (JavaScript, Python, HTML5/CSS3, MySQL/MongoDB, React/NextJS, NodeJS, ExpressJS, Axios, Firebase).

Full Stack and Mobile Developer. California, US 12/21 - 2/22.

Offering web and mobile services for an online food delivery organization in the US that are currently operating in California and Missouri. Managing development, UI, UX, APIs, server backend, database, etc. (JavaScript, HTML5/CSS3, Bootstrap4, MongoDB, ReactJS, ReactNative NodeJS, ExpressJS, Axios, JWT).

Data Engineer - Proxima AI. Karachi, Pakistan 9/21 - 12/21.

Developed data engineering services, ETL pipelines, and scraping portal. Launched a system that generates over 100,000 records of the food, clothing, and electronics industry from more than 40 online marketplaces for data analytics, machine learning, and visualization. (Python, Selenium, BeautifulSoup4, Scrapy, MySQL, MongoDB, SQLite3, Operating Systems, Cron, Multiprocessing, Scheduling, XAMPP Server).

Full Stack Engineer - Independent. Karachi, Pakistan 9/20 - 8/21.

Developed a full-stack web application for Arena Multimedia Staff. Added features such as job listing, hiring, and messaging between the staff. (React, MongoDB, ExpressJS, NodeJS, Axios, HTML5/CSS3, Cloudinary, CoreUI).

Software Engineer - Independent. Lincoln, US 6/20 - 10/20.

Monitored and maintained the admin module in one of the largest healthcare organizations in the United States. Added and managed features such as data import/export, redirections, validations, and optimization. (C#, ASP.Net, Microsoft SQL Server, TypeScript)

MMP & MVP Engineer - Independent. Reynoldsburg & Los Angeles, US 7/18 - 11/21.

Created MVP and MMP for multiple startups that are striving to receive over 2.5 million dollars investment from angel investors. (React/NextJS, SASS, MySQL, MongoDB, PostgreSQL, AWS, ElasticSearch, Axios, ExpressJS, PHP, Prisma, Payment Gateways, XAMPP Server).

ACHIEVEMENTS:

Ingage Spire Banking Application.

Developed and provided middleware and DevOps services for clients that want to enable smart banking solutions such as saving goals, bill management, transaction insights, expenses, etc. Implemented features such as audit logs and notification processor components. (Documentations, gRPC, Protocol Buffers, Microservices, Dockers, Kubernetes, Helm charts, Linux, MSSQL, NodeJS, Python, RabbitMQ, Lens, Octant).

Charity Donation Application.

Developed and provided full-stack services for a non-profit organization where they can list charities so that users can give donations to them. Implemented a search engine for more than 1.5 million charities that are capable of being filtered through name, city, state, and zip code. It also includes the design and implementation of other modules that interact with the backend through the rest APIs. Added an export feature that outputs user activities in both CSV and Excel formats. (Google Maps Distance API, PayPal, JavaScript, React, MongoDB, PHP, Axios, MySQL, Elastic Search, HTML5/CSS3).

ECommerce Marketplace Scraper Engine.

Created and deployed a full-stack and data engineering application that scrapes and generates over 150,000 product information from over 30 popular marketplaces of Pakistan. Admin can also customize the engine to scrape selected products for a number of days or forever. The product details are name, images, description, price, and stock status. (Linux, Windows, Crontab, Task Scheduler, Python, JavaScript, React, MongoDB, ExpressJS, NodeJS, Axios, HTML5/CSS3).

Heavy Equipment Marketplace Application.

Developed a full-stack web application where users purchase or rent heavy equipment for their business. Features include a dynamic search engine that takes parameterized search queries which are passed to the Marketcheck Heavy Equipment API. (Google Maps Distance API, JavaScript, React, MongoDB, ExpressJS, NodeJS, Axios, HTML5/CSS3).

House Construction Estimating Application.

Developed a full-stack web application where users get the cost estimation of their house. Users can fill out an estimation form which is passed to the available nearby estimators. The available estimators listing is based on the complex programming which includes both (house and estimator) locations and time frame. (Google Maps Distance API, JavaScript, React, MongoDB, ExpressJS, NodeJS, Axios, Moment, HTML5/CSS3).

ECommerce Marketplace Application.

Developed a full-stack web application where users can list, purchase, or market (available) items. The unique feature includes an amazing drag and drop facility for the buyers and marketers so that they can create their landing pages in React (with just drag and drop) which can be viewed by anyone willing to purchase the item. The authentication module makes the application more secure and sustainable. Users can also add to the cart and rate items after checkout. (Firebase OTP,

JavaScript, React, MongoDB, ExpressJS, NodeJS, ReactDND, ReactFiveStars, Axios, HTML5/CSS3).

COMMUNITY WORK:

Web and Software Programming Teacher - annooracademy.org

Teaching Web and Software engineering tools and technologies to 6-12 years old energetic students and making them aware of the cutting-edge software technologies so that they can excel their careers as software engineers at a very young age. (HTML5/CSS3, JavaScript, Bootstrap, Scratch, Python, C#)

JavaScript data comparison utility - [shallow-same](#)

Developed a light-weight JavaScript utility that compares between numbers, strings, arrays, and objects. It reduces the project source code size issue by providing a compact utility that compares all sorts of data types. (JavaScript ES6, NodeJS, npm, GitHub)

EDUCATION:

NED University of Engineering & Technology, 2021 - Present.

M.S in Data Science

Sindh Madressatul Islam University, 2017 - 2021.

B.S in Computer Science

Karachi Institute of Economics and Technology, 2016 - 2017.

B.S in Computing & Information Sciences

PROGRAMMING LANGUAGES/TOOLS/LIBRARIES:

Object Oriented Programming, Data Structures and Algorithms, JavaScript, PHP, Python, C#, C++, ES6/ES7, MaterialUI, Moment, Git, NodeJS, NPM, Express, React, React Router, NextJS, CoreUI, Axios, Socket.IO, Postman, Multer, Cloudinary, Elastic Search, SQL Server, MongoDB, MySQL, PostgreSQL, Firebase, Prisma ORM, Stripe, Restful APIs, Google Maps, Redis, NLTK, Scrapy, Selenium, Docker, Kubernetes, gRPC, RabbitMQ, Lens, Octant

CERTIFICATIONS:

Master Laravel with Vue.js Fullstack Development (Udemy), Web Scraping and API Fundamentals in Python (365 Data Science), The Python Programmer Bootcamp (365 Data Science), Time Series Analysis In Python (365 Data Science), SQL (365 Data Science), Git and Github (365 Data Science), LinkedIn JavaScript Top Badge. Kubernetes Certified Application Developer (CKAD) with Tests, Kubernetes Mastery: Hands-On Lessons From A Docker Captain

HOBBIES:

Content Creation, Board and Video Game, Sports and Workout, Music, Philosophy

REFERENCES:

Available Upon Request.

