
Raza Hussain Akbari

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SUMMARY

Results-driven and highly skilled Software Engineer with a Master's degree in Data Science. Proficient in React, TypeScript/JavaScript, Python, and Node.js, with a demonstrated ability to adapt and learn new coding languages as required. Dedicated to Full Stack Development, possessing a genuine passion for creating innovative solutions. Strong problem-solving abilities, coupled with a keen attention to detail and a commitment to delivering high-quality software products.

PROFESSIONAL EXPERIENCE

iVolve Technologies, Karachi, Pakistan - *Software Engineer*

August 2021 - PRESENT

- Designed and developed scalable, secure, and high-performance full-stack web applications utilizing industry-leading technologies such as React.js, Redux, Next.js, Node.js, Spring Boot, TypeScript/JavaScript, and Java.
- Demonstrated proficiency in building and managing cloud solutions, leveraging platforms including VMWare, AWS (EC2, S3 Bucket, Lambda) and OpenStack (Red Hat and Canonical).
- Utilized Git for efficient software version control, ensuring seamless collaboration and code management within development teams.
- Implemented robust data storage solutions utilizing MySQL, ensuring efficient and reliable data management.
- Leveraged Docker to containerize applications, facilitating streamlined deployment and ensuring consistency across environments.
- Developed and maintained RESTful APIs, enabling smooth integration with diverse front-end and back-end applications.
- Collaborated with cross-functional teams to address scalability challenges related to handling vast amounts of data and information.
- Successfully resolved complex issues in the production environment, demonstrating strong problem-solving and troubleshooting skills.
- Fostered effective teamwork and communication to deliver high-quality products, meeting project deadlines and exceeding client expectations.

The General Tyre and Rubber Company, Karachi, Pakistan - *Internee Engineer*

May 2019 - June 2019

- Internee duties included: Programming and debugging PLCs (Programmable logic controller), Commissioning of New Fabric Cutting Machine for tyres, Electrical System Analysis (monitoring the stats of the online feeders), UI designing of Siemens HMI.

EDUCATION

Masters in Data Science

NED University of Engineering and Technologies - December 2020 - February 2023

Studied Masters in Data Science which includes courses related to Data Warehousing, Data mining, Machine Learning, Big Data Analytics, Natural Language Processing, Business Intelligence. My thesis topic was 'A Novel Approach to Improve Question Answering System' in which I used the OpenAI GPT-3 model and compared the accuracy and losses from previously used models like BERT etc.

Bachelors in Electrical Engineering

Sir Syed University of Engineering and Technologies- January 2016 - January 2020

Studied Electrical Engineering which includes courses related to Power Generation, Power Transmission, Power Distribution and Utilization, Electrical Machines, Automation, Power Electronics. Designed and developed projects related to Programming (C, C++, Python and Java), Automation and Robotics via Arduino and Raspberry Pi, some of which are in use at my home to date.