Raza Hussain Akbari

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[LinkedIn](#) [GitHub](#) [Portfolio](#)

SUMMARY

Results-driven and highly skilled Software Engineer with a Master's degree in Data Science. Proficient in Java, Python, React, TypeScript/JavaScript, 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

- Spearheaded the design and development of highly scalable and high-performance full-stack web applications, employing cutting-edge technologies such as React.js, Redux, Next.js, Nest.js, Spring Boot, and Node.js, with a strong focus on TypeScript/JavaScript and Java.
- Played a pivotal role in crafting and maintaining RESTful APIs, facilitating seamless integration with diverse front-end and back-end applications.
- Demonstrated adeptness in architecting and managing cloud solutions, harnessing platforms including VMWare, AWS (EC2, S3 Bucket, Lambda), and OpenStack (Red Hat and Canonical).
- Successfully orchestrated the migration of legacy frontend code to updated versions, substantially enhancing build time and performance by addressing memory leaks.
- Implemented robust data storage solutions through the utilization of MySQL, ensuring the efficient and reliable management of data resources.
- Employed Docker to containerize applications, streamlining the deployment process and ensuring uniformity across various environments.

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 (Java, Python, C, C++), Automation, and Robotics via Arduino and Raspberry Pi, some of which are in use at my home to date.

SKILLS

- Programming Languages: Java, Python, JavaScript/TypeScript
- Web Development: React, Redux, Next.js, Nest.js
- Database Management: MySQL
- Cloud Technologies: AWS, OpenStack
- Containerization: Docker
- Version Control: Git
- Problem-Solving
- Full Stack Development