Ridwan Ul Haq

http://www.rdwn.me

linkedin.com/in/rdwn

Email : ridwanuhaq@gmail.com

Mobile : +91-8277-479-156

EXPERIENCE

- **Cloud/MLOps Engineer** Bengaluru, India
  Thoucentric *Dec 2020 - Present*

  ○ **Advanced Pricing Solution** - *Marlboro, Philip Morris International Inc*

    ∗ Worked on a **global ML-based Pricing Solution** for **PMI** facilitating pricing strategy analysis and informed decision-making, achieving a 50% reduction in the time needed to devise pricing strategies resulting in increased market share and improved profitability

    ∗ Developed **RESTful back-end APIs** using **FastAPI** for consumption by a **React** frontend, ensuring seamless integration for enhanced developer experience

    ∗ Implemented **WebSockets** for dynamic client-server communication, elevating user experience through real-time interactions.

    ∗ Leveraged **MLFlow** to provide access to latest ML models, ensuring accurate and up-to-date pricing analysis capabilities

    ∗ Used **Docker** to package the application and dependencies, seamlessly deploying on **Kubernetes** through **Jenkins** pipelines, resulting in reduced release time and enhanced developer efficiency.

  ○ **Demand Forecasting Platform** - *Procter & Gamble*

    ∗ Aided in **architecting** and **developing** a demand forecasting platform which helped predict future customer demand for SKUs, guiding decisions on product strategies, inventory production, and allocation.

    ∗ Utilised **Azure Databricks** to engineer robust data processing and analytical workflows, streamlining data ingestion, transformation, and modelling orchestrated by **Azure Data Factory** which **reduced the time taken by the ML pipelines by 40%;**

    ∗ Engineered and deployed **asynchronous FastAPI** based endpoints on **Azure App Service,** enabling streamlined concurrent request handling, resulting in increased system performance and responsiveness

    ∗ Setup **CI/CD pipelines** in **Azure DevOps** automating the deployment and continuous integration of the demand forecasting platform, fostering agile development and rapid delivery.

  ○ **Total Tax Contribution** - *Unilever Global*

    ∗ Led the development of a global tax reporting solution for **Unilever** to improve visibility of tax contribution data across **113 countries**.

    ∗ Designed and developed efficient ETL pipelines using **Azure Data Factory** resulting in a **60% reduction** in data ingestion time compared to manual methods.

    ∗ Executed automated data validation and cleansing, increasing the consistency and accuracy of tax data while minimising errors by over **20%**

    ∗ Leveraged **PySpark** within **Azure Databricks** to execute effective data transformations, priming the data for seamless visualisation and analysis within an analytical dashboard

  ○ **ThouSecure** - *Internal*

    ∗ Designed and developed an internal security automation framework to **automate security of VMs, Docker Containers and Database Servers** achieving more than 85% compliance with industry-leading standards such as *CIS* and *NIST Cybersecurity Framework*

    ∗ Used **Bash** and **Python** to write the automation scripts and developed a CLI to use the tool

- **Web Developer and Cloud Consultant** Bengaluru, India
  Freelance *Jan 2015 - Dec 2020*

  ○ Successfully migrated legacy systems to cloud, reducing operational costs by about 50% by using cloud services from **AWS**, **Azure**, and **Google Cloud Platform**

  ○ Built and managed websites on dedicated **Virtual Private Servers** within **AWS**, overseeing critical server administration tasks such as configuring email services, resolving network and security issues, and conducting routine maintenance.

EDUCATION

- **BMS Institute of Technology**   Bengaluru, India
  Bachelor of Engineering in Computer Science   *Aug. 2016 – Sep. 2020*
  Relevant Coursework:
  Distributed Computing Systems, Cloud Computing, Computer Networks, Unix System Programming

SKILLS

- **Languages**: Python, JavaScript, Shell Scripting   **Cloud Platforms**: AWS, Azure, GCP

- **DevOps Tools**: Kubernetes, Docker, Jenkins, Ansible, Terraform, Git

- **Backend Frameworks**: FastAPI, Flask   **Operating Systems**: Linux, Windows

- **Databases**: MySQL/PostgreSQL, Aurora, DynamoDB   **Design**: Adobe Illustrator, Figma

RECOGNITION

- **Atlas Award 2022,** *Thoucentric*: Recognized for consistently exceeding expectations, taking on substantial responsibilities, and making a significant and lasting impact within the organization.

- **Spirit Leader Award 2022,** *Thoucentric*: Recognized for spearheading transformative projects in Cloud BI and MLOps, resulting in improved efficiency and data-driven decision-making across projects within the organisation.

- **Making a Difference Award 2022,** *Thoucentric*: Acknowledged for exceptional client engagement and strategic contributions to driving business development.

LEADERSHIP EXPERIENCE

- **Founder & Community Organizer**   Kashmir, India
  Srinagar Reads   *Jul 2023-Present*
  Founded Srinagar Reads, a local chapter of a global silent reading movement, having 30+ members fostering an inclusive community committed to intellectual advancement

- **Secretary**   Bengaluru, India
  HSR Toastmasters Club   *Jul 2022-Dec 2022*
  Demonstrated strong leadership by efficiently managing club records, coordinating activities, promoting membership growth, and initiating process improvements for the club

- **Coordinator, Innovations Center**   Bengaluru, India
  BMS Institute of Technology   *2019-2020*
  Initiated the establishment of an Innovation Center in collaboration with college alumni, fostering interdisciplinary innovation and exemplifying proactive leadership

VOLUNTEERING EXPERIENCE

- **Child Nurture & Relief (CHINAR)**   Kashmir, India
  IT Administrator   *2017-Present*
  - Contributed to seamless administrative operations by overseeing IT infrastructure management, website upkeep, office system configuration, and proactive system maintenance. Additionally, I provided technical support to staff members, promptly resolving their IT-related queries and issues.

- **The Purpose**   Kashmir, India
  District Head, Ganderbal   *2019-Present*
  - Orchestrated impactful social outreach, awareness sessions, and community events in Ganderbal.
  - Elevated community engagement and sustainability awareness through strategic collaborations and partnerships, involving 100+ individuals showcasing dynamic leadership and proactive advocacy.

INTERESTS

- Cinematography   - Photography   - Vlogging   - Reading