

Hunzala Mushtaq

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SUMMARY

Full Stack Software Engineer with 2+ years of experience who is consistent and dedicated to learning and has a healthcare professional experience in software engineering.

SKILLS

Technical Skills: Asp.Net Core, Node JS, Nest JS, React JS, Rabbit MQ, Elastic Search, SQL, MongoDB, Azure DevOps, Git, LangChain, LangGraph, Agentic AI, Agentic Workflows, Pinecone, **HL7 FHIR, EPIC Systems, DICOM**

Languages: Python, Javascript, Typescript and C#.

WORK EXPERIENCE

Folio3

Karachi, PK

Software Engineer

Aug 2024 – now

- Working on several frameworks like Nest Js, ASP.Net, Langchain and Agentic AI.
- Leading digital health projects and utilizing the latest technology for AI-infused, HIPAA-compliant software.
- Building backend infrastructure using the latest technologies such as .NET, Node.js with MongoDB, Elasticsearch, AWS, Azure, and on-prem deployments.
- Reduced loading time by 50% by rewriting and replacing the older architecture.
- Orchestrated end-to-end CI/CD pipelines on Azure DevOps for ASP.NET Core applications, enabling seamless deployment to on-premise servers. Utilized a combination of self-hosted and Microsoft-hosted agents for artifact builds, ensuring efficient resource allocation and scalability.

Folio3

Karachi, PK

Trainee Software Engineer

Sept 2023 – July 2024

- Worked on multiple projects in different departments, such as Digital Health and AppDev.
- Trained on various stacks such as React Native, the MERN stack, and .NET.
- Orchestrated end-to-end CI/CD pipelines on Azure DevOps for projects across the organization with on-prem deployment

Tezeract.ai

Karachi, PK

Software Engineering Internship

Nov 2022 – Jan 2023

- Building multiple dashboards and UI Screens on React JS.
- Aggregating unstructured data from MongoDB / Postgres and transforming it into dashboards.
- Developed backend APIs on Nest JS and Express JS
- Resolving bugs related to UI and Backend on a daily basis.

EDUCATION

NED University of Engineering and Technology

Bachelor in Engine Computer Systems Engineering

Karachi, PK

Graduated

Relevant Coursework: OOP, Software Engineering, Data Structures and Algorithms, AI and DBMS.

Projects

Orthoview

Link: <https://orthoview.folio3.site/>

- Orthoview is a real-time DICOM software solution innovatively designed for sports medicine, enabling rapid image sharing and collaboration crucial for athlete care.
- Architected and deployed a robust backend infrastructure utilizing C#, ASP.NET 8, FHIR HL7 standards, AWS, React, and JavaScript. This setup enhanced system response times and scalability.
- Engineered multi-modal DICOM viewer components enabling real-time rendering and manipulation of diverse medical imaging modalities, including MRI, CT, and X-ray, within a web-based PACS environment.
- Stepped in as the acting team lead for a group of 5 during a critical period, refining project workflows and bolstering my leadership, organizational, and time management skills

AiGenics - Moodology

Link: <https://mymoodology.com/>

- Provided a solution that allows patients to perform self-meditation and attempt therapies designed by the professionals. By eliminating the need of visiting a psychologist in person, users will be able to take the assessment and based on their score and they'll be redirected to the best suited content through AI and ML. Users can view past assessment scores and record daily mood check-in to keep the track of their mental health. Currently, working on its phase 2 which is mainly based on integrating telemedicine features into the application.
- Technology: Hangfire, Asp .Net 6, C#, AWS, React Native

HealthQuest

Link: <https://digitalhealth.folio3.com/healthquest/>

- Offered a middleware dashboard that simultaneously connects with the referral portals and EHR system at the same time and fetches and pushes details from the referral portals and EHR system respectively through APIs. Also integrated an AI based OCR service that fetches the relevant information from the attachments and autofill lengthy referral forms.
- Technology: Hangfire, Asp .Net 6, C#, AWS, React, Javascript, Microservices

Co-Curricular Activities

Technical Director (TE-Links NEDUET)

A mentorship program pairing experienced team members with new students, and regular training sessions for all team members helps to ensure that everyone is up-to-date on the latest technology and industry trends, fostering a culture of continuous learning and improvement within the organization.