Hassam Ullah *Full Stack Engineer*

✉ malikhassamullah1@gmail.com   📞 +92 310 5187828

📍 Johar Town, Lahore   🏴 Pakistan

🔗 Personal Portfolio Website   in Hassam Ullah

Ⓢ live:.cid.86065059cb4a701e   ○ hassamUllah23

Profile

Experienced Full Stack Web Developer proficient in the MERN stack with 3.5 years of hands-on experience. Skilled in developing robust web applications from concept to deployment, leveraging a combination of MongoDB, Express.js, React.js, and Node.js. Adept at translating client requirements into scalable and efficient solutions, with a strong emphasis on user experience and functionality.

Professional Experience

2024/06 – present
Lahore, Pakistan

MERN Stack Engineer
SolutionsLoft ⤢
Responsible for managing Backend and Database involving Nest.js Microservices Architecture, Kubernetes, Docker, AWS and MongoDB.

My contributions so far:
- Utilize Apache Airflow to write efficient and scalable pipelines for generating and seeding content through AI integrations.
- Dockerise Nest.js Microservices and deploy on Docker Hub.
- Write Github CI/CD workflows for smooth deployment pipelines on OCI Instance.
- Create Microservices in Nest.js. Implement communication between microservices through RabbitMQ and Kafka.js.
- Developed a real-time leaderboard system in a web application, allowing users to earn points and track their position. Implemented backend using Nest.js and MongoDB to handle data storage, point calculations, and efficient retrieval of user rankings.
- Building a Telegram Bot for users to interact with our in-house AI models.
- OAuth2 integrations for Social Platforms e.g. Meta, Twitter(X), Discord etc.
- Creating a Python Microservice utilizing Apache Airflow to periodically generate and seed new AI Generated content for users to play around with in gamified modules to win credits and climb leaderboards.

AI Integrations
- ElevenLabs integration for voice isolation and audio generation.
- D-ID AI integration for creating Digital Humanoids that utilize audios generated through ElevenLabs.
- Octo AI and Anthropic's Claude 3.5 sonnet (through AWS Bedrock) models for image generation.

2024/01 – 2024/05
Islamabad, Pakistan

Full Stack Developer
Softteams a/s ⤢
Got introduced to the world of Elixir programming by getting involved in a full-fledged project in PETAL(Phoenix, Ecto, Tailwind, AlpineJS, LiveView) stack.

The highlight of my experience at Softteams a/s has been the "E-SG Cloud" project. A complete detail about the project can be viewed in the "Projects" section on my LinkedIn profile.

- Acquired in-depth understanding of Elixir programming language for Full stack web application development with Elixir's Phoenix framework combined with Elixir's LiveView framework for creating production grade highly scalable and fault-tolerant web applications.

- Learnt Elixir's Ecto framework to handle SQL database operations.
- Learnt file handling operations in Elixir with nimble_csv, elixlsx and jason packages.

2023/01 – 2023/12
Islamabad, Pakistan

MERN Stack Developer

K-Hive ⤤

Got the opportunity to work on multiple interesting projects based on React.ts with Vite, Node.js and Nest.js with MongoDB.

The projects I have contributed to include:

- **Telegram Chat Automation Tool:** A web-based tool that uses Telegram Bot APIs, ChatGPT, Puppeteer and PM2 in tandem to allow users to create meaningful conversation through ChatGPT and automatically write these conversations in user's specified telegram chat groups.

- **XP Rush - An NFT Card Game:** A browser-based card game where players can own different characters, each of which represents an NFT. The players can complete quests to earn coins and level up their characters or use digital currencies to buy coins and get power-ups for their characters.

2022/03 – 2022/12
Islamabad, Pakistan

Backend Developer

Protovoid Technologies ⤤

First role as a Full-stack Developer, gaining valuable experience with Next.js and Nest.js frameworks. This tenure also included a later period of 6 months as a Team Lead, overseeing project milestones and ensuring timely delivery.

- Built deployment-ready back-end with Nest.js and Nodejs
- Docker basics, containerization for CI/CD.
- Stripe and PayPal payment gateway integrations to enable in-app-payments.
- AWS EC2 and DigitalOcean server deployment, enhanced with CI/CD.
- AWS S3 service for file storage.

2021/09 – 2022/03
Islamabad, Pakistan

Angular Developer

CodeGenio ⤤

First professional employment and first detailed introduction to Angular 12 framework. Got to learn the basics of Angular in detail as part of CodeGenio's initial training program and then through collaboration with experienced Angular Devs. Got to learn the importance of teamwork and trusting your peers to ensure achieving work-related milestones on time. Also learnt the importance of staying true to the standard practices in coding and overall work management.

Learning & Takeaways:

- TypeScript
- Angular-Marerial and Ngx-Bootstrap modules for UI
- Reactive & Dynamic Forms using Angular's built-in ReactiveFormsModule module
- Handling API calls using Http and Observables modules
- Angular's Shadow DOM
- Structural and Attribute Directives etc.
- DevTools to maximize productivity

Skills

Skill	Level	Skill	Level
React	●●●●●	Next.js	●●●●●
Node.js	●●●●●	Nest.js	●●●●●
Redux	●●●●●	Nginx	●●●●○
MongoDB	●●●●●	PostgreSQL	●●●●○
AWS	●●●●○	Docker	●●●●○
Google Cloud Platform(GCP)	●●●●○	Github CI/CD	●●●●●
Microservices	●●●●○	React Query	●●●●●
Kubernetes	●●●○○	Apache Airflow	●●●○○
Oracle Cloud Infrastructure	●●●○○	Oracle Kubernetes Engine (OKE)	●●●○○
Containerization	●●●●○		

Education

2018 – 2022
Islamabad, Pakistan

Bachelors in Software Engineering(4 years)
Capital University of Science & Technology ⌞

2015 – 2017
Wah Cantt, Pakistan

Intermediate of Computer Science
F.G. Science Degree College ⌞

Courses

2022/08 – 2022/09

React, NodeJS, Express & MongoDB - The MERN Fullstack Guide ⌞
Udemy

References

Owais Zahid, *Project Manager,* Softteams a/s
+92 345 4060708

Sudais Khattak, *Project Manager,* Krypto Hive
ktksudais@gmail.com, +92 310 5138790

Saqib Aamir, *Chief Executive Officer,* Six-Dot
saquib.aamir@hotmail.com, +923078289933

Hamza Khan, *Human Resource Manager,* Protovoid Technologies
hamza.khan018@outlook.com, +92 333 8500844

Fatima Nadeem, *Human Resource Manager,* Protovoid Technologies
fatimabhatti00@gmail.com, +92 336 1059339