Ayyaz Ali Furqan

As a full-stack developer with over 6 years of experience, I specialize in building MVPs for startups and scaling existing solutions. My expertise includes ReactJs, NodeJs, NextJs, MongoDB, AWS DevOps, and CI/CD. Additionally, as a Generative AI Enthusiast with a degree from FAST University Lahore, I am eager to apply my skills to tackle your team's dynamic challenges.

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in LinkedIn

◯ Github

WORK EXPERIENCE

Switchboard Cloud — **Senior Software Engineer**

Sydney, Australia (Remote)   Mar 2024 - January 2026

- Handling complex backend for external Ecommerce Integrations
- Structured AWS Cloud for scalable scaling the application
- Built 40+ supply chain integrations with third party using API, GraphQL, SQL and created bridge between ERP systems
- Handled Frontend in NextJs & React
- Created Frontend from scratch for on of the small internal projects and scaled it to handle real time users.

KBM Engineering — **Senior Software Engineer**

Manchester, United Kingdom (Remote)   Sept 2023 - Mar 2024

- Created the MVP from scratch in ReactJs, NodeJs, MongoDb
- Developed the APIs in NodeJs and launched the MVP within 2 months
- Added Payments, Currency Conversions and management Dashboard
- Provided a proper way for admins to track user details and handle cross country payments efficiently
- Deployed the architecture on AWS using cloudformation

Innovage.io — **Full-stack Engineer | Co-Founder | CTO**

Delaware, United States   Apr 2021 - Sept 2023

- Added a reservation functionality to the system so that guardians can reserve their slots for their children; it grew to thousands of reservations a day.
- Fixed a calendar bug and restructured the code to handle more streamlined development.
- Improved the launch process so that it could handle the traffic of 1,000+ users a day.
- Created sprints and ran daily standups for the team.
- Guided new team members to understand the code and system in a better way.
- Developed a boot camp SaaS product for the education sector and helped the institute resolve management issues by giving them a platform where they can manage thousands of students and their slots in the camp.
- Fixed production bugs with the team, typically with very short notice, to ensure that the server was up and running again with no lag time.
- Resolved complex production issues (usually within two hours) and got the system up and running for clients.

TECHNOLOGIES

Stack
ReactJs, NodeJS, ExpressJS, MongoDB, NextJs, TypeScript, AWS, DevOps

Backend/DevOps
PostgreSQL, AWS (EBS, ECS, CloudFormation, Lambda, EC2, S3, Route53), Heroku, REST API, Firebase, Step functions, ElasticSearch, GCP, AWS (SES), JIRA, Nginx, Cloudflare, RESTful API, AWS. Python, Angular

AI Stack
LLM APIs (OpenAI,, Claude, Gemini), Langchain, Pinecone, Finetuning, N8n, Hugging face Transformers, PyTorch

AWARDS

Certificate of English Language (2012)
2.5 Year English language course from care foundation that provides Certificates to Pakistani Students.

AWS Certified DevOps Engineer
In Process

LANGUAGES

English C2, fluent
German A1, beginner
Urdu C1, Native

Scout & Cellar   **Frontend Engineer**

United States (Remote)   May 2021 - Nov 2023

- Structured the data for GA4 and Google Tag Manager.
- Launched events for GA4 and single entry points through Google Tag Manager.
- Worked on the front end for this client and provided services for proper tracking through Google Tag Manager (GTM).
- Added tracking to the system to track users and increase the conversion rate. The tracking added more visibility to user retention on the site.
- Increased user retention on the website by 50% and made the pages stickier, i.e., users stayed on the site for longer.
- Discussed product scope with the product management team and shaped a better product to give more efficient results.

Definepedia   **Full-Stack Engineer | Founder**

Delaware, United States (Remote)   SEP 2019 - APR 2021

- Worked with the team of a learning management system (LMS) that connected students and teachers during the COVID-19 pandemic; we helped over 100,000 students with their problems and made their lives a bit easier during the lockdown.
- Built the system from scratch, from the database structure to the front end; paying close attention to every aspect of the system to maximize the outcome from the platform.
- Launched it on Amazon Web Services (AWS) with an EC2 server while managing traffic of over 10,000 per month.
- I created an uploader to parse the data into Word files. The uploader can separate data based on their structure type and parse over 100 files per minute.
- Parsed the whole database of over a million to gather connections between the data points, analysed the data, and then created links between thousands of data points.
- Implemented a transcribed image functionality to parse an image from the data and convert it into text.
- Added PayPal and Stripe payment gateways to the system to handle thousands of transactions a day.

EDUCATION

National University Of Computer & Emerging Sciences (FAST NUCES)
Bachelor of Computer Science - BSCS

Pakistan, Lahore

2015 – 2019

PROJECTS

Penhouse.pk (2015-2018)   **Founder & CEO**
https://penhouse.pk

Course Eagle (2018 - 2020)   **Co-Founder | CTO**
https://courseeagle.com