

Haider Wain

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EDUCATION

University of Essex

MSc Advanced Computer Science

Colchester, UK

Sept. 2024 – Sept. 2025

Fast NUCES

Bachelor of Science, Computer Science

Lahore, PK

Aug. 2017 – Jul. 2021

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Python, PHP, C/C++, SQL, HTML/CSS,

Frameworks: Node.js, NestJS, React, Next.js, ExpressJS, Jest, , Laravel

Skills: Git, Kafka, Redis, Microservices, Unit testing, Integrations, Agile, Docker, OpenTelemetry, Sentry, Elastic Stack

EXPERIENCE

Software Engineer

Feb. 2024 – Aug. 2024

Kisaan (NestJS, React, JavaScript, TypeScript)

- Improved average debug time and application health by integrating **OpenTelemetry** for **observability** in 3 Microservices, collecting traces and metrics sent to the **Elastic Stack**
- Conducted interviews** for graduate programs and skilled developers, assessing a diverse range of candidates
- Integrated **Sentry** for real-time error monitoring and enhanced application debugging, leading to **faster issue resolution** and **improved code stability**
- Worked on internal portal, digitalizing and streamlining traditional processes such as new user onboarding, order processing resulting in improved operational efficiency
- Enforced code quality and consistency by integrating ESLint and Prettier, utilizing Husky pre-commit/pre-push hooks to ensure all code adhered to rigorous testing and standards prior to deployment.

Software Engineer

Nov. 2022 – Jan. 2024

Dastgyr (Node.js, React, JavaScript, TypeScript)

UK

- Played a key role in expanding Dastgyr's operations internationally, ensuring platform features and microservices were scalable and compliant for UK and African regional launches.
- Developed a **universal wallet** feature for both platform users and partners, **managing credits and debits** maintaining comprehensive **user-specific ledgers**
- Developed a **Microservice** using **Typescript** and **NestJS** with a segregated database. Additionally, utilizing **Apache Kafka** to consume messages generated by primary services at high throughput
- Achieved a **13% increase in Perfect Order%** and operational efficiencies by introducing a '**Badge Incentive Feature**'. Recognized and rewarded platform sellers based on **performance metrics**, significantly **boosting seller engagement**
- Boosted **Average Order Value by 6%** by introducing a **rewarding system** where users earn virtual coins for placing orders, fostering user engagement and driving repeat purchases through **gamification** initiatives
- Architected the **database structure** and implemented **product variant system** for **scalability of products** and their corresponding variants

Software Engineer

Aug. 2021 – Oct. 2022

GrocerApp (PHP, Laravel, NodeJS, React)

- Restructured customer support via Zendesk integration, achieving an **80% reduction** in live channel traffic.
- Improved key support metrics, including Average Response Time and Resolution Time.
- Increased **total orders by 15%** by implementing **customer profiling** and **gamification features** leveraging individual order history and specific order items to enhance customer engagement

PROJECTS

Large Language Models in Information Retrieval | Python

Mar 2025 – Sep 2025

- Built an end-to-end **modular Information Retrieval pipeline** combining sparse/dense retrieval, LLM-based query rewriting, and transformer reranking.
- Final pipeline (Rewrite + Rerank) achieved +45% nDCG@10 and +30% MRR@10 improvements over BM25 on MSMarco and NFCorpus.