

Muhammad Talha

Islamabad, Pakistan 44000

+923306845100

muhammadtalha04@gmail.com

[LinkedIn](#) | [GitHub](#)

Experienced Software Engineer skilled in developing robust solutions throughout the software development lifecycle.

Proficient in micro-services architecture, CQRS pattern, and API-first approaches, with a keen focus on enhancing performance and scalability. A collaborative team player with a commitment to mentoring, continuous learning, and staying current with industry trends, I bring a passion for innovation and a track record of delivering results in dynamic environments.

SKILLS

Technical Skills:

- **Frontend:** ReactJs, NextJs, JavaScript/TypeScript
- **Backend:** Scala, Java/Spring Boot, PHP/Laravel
- **Databases:** Cassandra (CQL), PostgreSQL, MongoDB
- **Tools/Libraries:** Redux, React Query, AgGrid, Mapbox, Google Maps API, React Hook Form, React Testing Library, Styled Components, Ant Design, Storybook, Kafka, OpenAPI, OpenSearch/ElasticSearch, AWS Amplify, GCP

Soft Skills: Leadership, Problem-Solving, Communication, Time Management

Language Skills: Fluent in English and Urdu

WORK EXPERIENCE

Upstart Commerce

Senior Software Engineer | Full-time

Islamabad, Pakistan

January 2023–Present

Emumba Private Limited

Software Engineer | Full-time

Islamabad, Pakistan

February 2021–January 2023

AuditXprt Technologies (Pvt) Ltd.

Associate Software Engineer | Full-time

Islamabad, Pakistan

June 2020–February 2021

Untangle Solutions

Internee | Internship

Rawalpindi, Pakistan

June 2017–August 2017

EDUCATION

National University of Computer and Emerging Sciences

Bachelor of Science in Computer Science

Islamabad, Pakistan

February 2021

Electives: Java EE, Data Mining, Digital Image Processing, Natural Language Processing, Software for Mobile Devices, Web Programming

CERTIFICATIONS

- **Scala & Functional Programming Essentials – Udemy**

ID: [UC-28e84af1-16f3-4e84-b74e-7a1877736f50](#)

- **Advanced Scala & Functional Programming – Udemy**

ID: [UC-af8b8aee-fd01-431e-9a0f-8d98b961a438](#)

- **React (Basic) – HackerRank**

ID: [46e071de5c20](#)

- **Python (Basic) – HackerRank**
ID: [55cdab6af9f7](#)
- **JavaScript (Basic) – HackerRank**
ID: [8c475c5fae9a](#)
- **JavaScript (Intermediate) – HackerRank**
ID: [e59cd733e95b](#)
- **Problem Solving (Basic) – HackerRank**
ID: [fbd55794494a](#)

WORK SUMMARY

Upstart Commerce

Senior Software Engineer | Full-time

Islamabad, Pakistan

January 2023 – Present

- Worked on the micro-services architecture to build headless backend systems for e-commerce solutions using Scala.
- Implemented CQRS pattern to treat retrieving and changing data differently for better performance and scalability.
- For achieving an API-first approach, I used OpenAPI so that code and documentation of the REST APIs are automatically generated.
- Worked on Kafka topics and queues for asynchronous data communication between micro-services.
- Worked on error logging in micro-services and used Google Cloud Logs for easy debugging.
- Read about best REST practices and implement them in our current micro-services.
- Read about hexagonal architecture and converted our local micro-services onto hexagonal architecture.
- Implemented OpenSearch(Elastic Search) in our current micro-services to make data searching and filtering faster and more efficient for customer usage.
- Integrated and configured the Search service written in Scala into the other micro-services written in Scala and Java.
- Mentored junior developers and did their code reviews to ensure code quality and optimization.
- Working on agile methodology mainly on sprints and daily stand-ups to achieve pod goals.
- Working on the latest technologies like Cassandra and PostgreSQL.
- Did the technical documentation of the features I worked on so that the team can easily understand them.
- Continuously doing courses/certifications on Udemy to keep myself technically updated.

Emumba Private Limited

Software Engineer | Full-time

Islamabad, Pakistan

February 2021 – January 2023

- Created complex applications for our clients using ReactJS with TypeScript.
- Converted the whole project from monolithic architecture to mono-repo architecture using yarn workspaces.
- Worked on multiple projects with different architectural designs.
- Wrote unit tests in ReactJS using JEST and React Testing Library to ensure bug-free code.
- Traced vulnerabilities while doing manual stress testing and fixed them.
- Implemented Redux store to avoid handling the usage of multiple Reducers.
- Did research on multiple enhancements and updated our code with the researched changes.
- Worked in Agile methodologies mainly on sprints and achieving goals like short-term KPIs and long-term KPIs.
- Worked with remote teams to achieve excellence and high productivity.

- Worked with multiple international clients.
- Researched a product-level requirement to come up with the best choice acceptable to both our client and my team members.
- Worked on AWS and GitHub to continuously synchronize the code with a highly dynamic team.
- Being a part of the summer internship team, I was responsible for the mentorship of the internees.
- Did code reviews of other team members daily to ensure code quality and optimization.
- Worked on Open-Source tasks to enhance my skillset as an engineer.

AuditXprt Technologies (Pvt) Ltd.

Associate Software Engineer | Full-time

Islamabad, Pakistan

June 2020 – February 2021

- Implemented Single Sign-On in multiple products to reduce user registration time and complexity.
- Implemented asynchronous queues in our product to automate multiple tasks.
- Pioneer developer in the product that we built for Barclays.
- Continuously engaged with clients to optimize the best working experience.
- Did an analysis of the client's requirements and made its technical documentation with the team.
- Worked on timelines, deliverables, estimates, and suggestions.
- Mentored trainee developers and provided them the product knowledge.

Untangle Solutions

Internee | Internship

Rawalpindi, Pakistan

June 2017–August 2017

- Implemented user authentication and authorization using Sentinel (Laravel).
- OAuth Server Implementation in Laravel for API Authentication/Authorization.
- Study/Research on Nested Sets for Hierarchical Data Storage in Laravel.
- Implementation of CRUD Views in Laravel.
- Implementation of an Application Licensing Framework in Laravel.