

# MUHAMMAD MOOSA HASHIM

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## EDUCATION

### Institute of Business Administration

Karachi, Pakistan

Bachelor of Science in Computer Science

May 2023

GPA: 3.09/4.00

**Awards & Honors:** Global Futures Fellowship Scholarship Award | Featured on Dean's Wall | Academic Excellence

## WORK EXPERIENCE

### Techlogix - Software Engineer

Sep 2023 – present

- Managed a **Kafka** messaging pipeline, linking client systems with 200+ global banks for transfers, payments & prepaid services, handling \$5M+ in transactions daily, optimizing message brokers for efficient communication.
- Integrated diverse systems using **SOAP** messages & **REST** APIs leveraging expertise in **Karavan**, **Apache Camel**, **K**, **XSLT** & **Groovy** leveraging a generic processing model, reducing failure rates by 70%.
- Orchestrated bidirectional migration of 700 K+ customer profiles & related card & transaction records between legacy & modern systems using event-driven triggers, **SQL** stored procedures, & **YAML** integration pipelines.
- Streamlined the **Azure** development environment by reconfiguring integrations, cutting core & memory 50%.

### Hilal Invest - Product Owner

May 2022 – Nov 2022

- Led launch of Pakistan's first digital **Islamic investment platform** for 70K+ users, managing deliverables as Scrum Master in **Jira** & driving integration with 7 third-party AMCs via Mural-based process mapping.
- Conducted competitor benchmarking & impression-based analyses in Excel to guide UX decisions, optimizing the platform's user journey & boosting engagement efficiency by 30%.

### Commuovere Tours - Cofounder & Head of Sales

Oct 2020 – Feb 2022

- Co-founded & led a student-run **travel agency**, generating PKR 8M+ in revenue, across 1200+ clients.

## PROJECT EXPERIENCE

### Learning Management System FYP - Team Lead | Backend Engineer

(MERN, Cloudinary, Vercel)

- Piloted development of comprehensive platform for educational resource management on **MERN** & **Flutter**, capable of hosting 10K+ users.
- Engineered a robust **NoSQL** database schema for optimal data management & incorporated strong security measures such as **authentication**, **authorization**, & **encryption** to safeguard user data, protecting over 50K records.
- Developed 100+ RESTful APIs, enabling seamless front-end interaction. Deployed the application on **Vercel** cloud.
- Integrated **Cloudinary** for secure & efficient file hosting utilizing a file compressor to reduce file size by 40%.

### Attendance and Performance Tracking System

(MERN, Heroku)

- Designed a **UBAC**-driven attendance platform now used in 10 warehouses, tracking performance, overtime & attendance of 300+ employees in real time including **KPI dashboards** – slashing timesheet errors by 40%.

### Gamified Instagram Clone

(MERN)

- Championed **backend development**, **database design** & **security** for a gamified social media platform.

### Indie Games (SDL2 C++ / Flutter Flame) - Solo Dev

(SDL2.0, C++)

- Shipped a top-down space shooter & a 3-level platformer; implemented physics, enemy **AI**, **MVC** for easy expansion.

### Steam Clone

(Java)

- Engineered a **Java** game portal with user registration, friend-network. Supported 3 different games: Flappy Bird, Snake, & Chess. Utilized data structures such as HashMaps, arrays, & linked lists for game mechanics.

### Speaker at Google Endorsed Event - Flutter Festival Karachi

- Delivered a presentation on **responsive design** & advanced widgets, sharing valuable insights with 100+ attendees.

## LEADERSHIP EXPERIENCE

### Mask Banao - Public Relations & Outreach

- Led welfare drives in 33 villages, distributing 120K+ masks, driving a 20M+ impression digital campaign, & boosting fundraising outreach 200% through key partnerships with Careem, Engro & Government bodies.

### Grand Citizens NGO - Chief Operating Officer

- Mobilized 150+ volunteers annually to raise PKR 12M+, organizing 30 ration drives, delivering 10K+ meals, & distributing 2K+ sleeping bags in winter relief efforts.

## SKILLS, HOBBIES & INTERESTS

**Skills** – JavaScript | Dart | Rust | Java | Python | C++ | Tailwind CSS | Node.js | React | Django | Flutter | SDL2.0 | MongoDB | SQL | NoSQL

**Hobbies & Interests** – Distance Running | Calisthenics | Table Tennis | Chess | Anime & Manga | Dota 2