

EDUCATION

Lahore University of Management Sciences (LUMS) | BS Computer Science

Sept 2018- May 2022

Relevant Courses: Advanced Programming, Algorithms, Software Engineering, Object-Oriented Programming, Operating Systems, Blockchain, Computer Networks, Network Security, Human Computer Interactions (HCI), Electrical Engineering (EE)

EXPERIENCE (10 years)

Beyond ONE | Senior Software Engineer 1 & Team Lead

May 2025 – Present

NextJS 15 App Router, ReactJS, TypeScript, TailwindCSS, ShadCN, TanStack/React Query

I am team lead for the VCR (Virgin Connect Roam) project under which I was tasked with rebuilding, for better performance and SEO, the [VCR website](#) from scratch which was previously built in Flutter Web. This seemed daunting and close to impossible given the time-frame of 3 months but I achieved it, hence helping the company reach quarterly revenue goals.

Turing | Lead Senior Software Engineer & AI Trainer

Mar - May 2025

NextJS 15 App Router, ReactJS, TypeScript, TailwindCSS

I was lead trainer for Google’s Gemini. We trained Gemini to improve its programming capabilities in React. This led to the success of Gemini 2.5 Pro which became the industry leading model. I was also involved in a program to assess GPT’s language capabilities in Urdu.

Metal | Founding Full Stack Frontend-Heavy Engineer E4

May 2023 – February 2025 (~2 years)

Roles & Promotions (Latest to Oldest)

Software Engineer 2 (Level 4)	Jan 2025 – February 2025 (2mo)
Software Engineer 1 (Level 3)	Jan 2024 – Dec 2024 (1y)
Associate Software Engineer 2 (Level 2)	June – Dec 2023 (6mo)
Associate Software Engineer 1 (Level 1)	May 2023 – June 2023 (2mo)

NextJS 14 App Router, ReactJS, TypeScript, TailwindCSS, React Query, Orval, Zustand, Playwright for E2E Testing, Jest & React Testing Library for Unit Testing, NestJS, PostgreSQL, Sentry, GitHub, CI/CD, Vercel, AWS

- Metal (aka Apollo Group) is the next project of the team of Airlift, which was Pakistan’s largest startup that raised \$120M in capital from investors such as Techstars and Sam Altman.
- Within 9 months of joining, I was promoted two times due to exceptional performance and granted large equity in the business.
- Being the first software engineer hired by the company, I have led the launch of 2 MVPs, the first being a GPT-based chatbot webapp and the second being a React NextJS 14 web application with a NestJS-PostgreSQL backend.
- I am currently leading a team of 5 frontend engineers and contributing as a backend engineer. I’m also in charge of roadmap execution, planning, assigning DRIs, deadlines, and feature delivery.

Educative | Full Stack Software Engineer

Aug 2022 – April 2023 (9 Months)

NextJS, ReactJS, TypeScript, Redux, TailwindCSS, Redis, Python Flask, Selenium, Google Cloud Platform (GCP), Google Cloud Datastore, Jest, React Testing Library, GitHub, CI/CD, JIRA, Jenkins

Educative was ranked as one of the fastest growing companies of North America. I was part of the largest team (Learner Experience) that ships features to the primary customer base of the [Educative.io](#) website (learners & enterprises) used by millions of users. The current landing pages: [educative.io](#) and [devpath.com](#) were also built by me. I have worked on features such as search, enterprise features, and the Projects feature.

Airlift Technologies | Associate Software Engineer

May 2022 – July 2022

Joined for Full Stack/Backend Development and ended due to Airlift shutting down in Pakistan.

The Institute of Emerging Careers (IEC) | Lead Software Engineer

Dec 2021 – April 2023

AWS EC2 / AWS SES / NodeJS / ExpressJS / ReactJS & React Context API / EJS (Templating) / TailwindCSS / Babel (Browser Compatibility) / Redis / Bull / Mocha & Chai (Testing) / Nginx (Reverse Proxy) / Sequelize ORM / Git & Github

Scalability-focused student-acquisition-system designed for low-computer-literate students from non-urban areas | Enabled company to onboard a new cohort every 3 weeks which was not possible before | As a 6-month exit strategy, I built and trained a team of engineers to take over after I left.

Open Data Pakistan | Team Lead, Software Engineer

Aug 2021 – Dec 2022

Open Source CKAN Project / Jinja2 / Python / Flask / Bootstrap / PostgreSQL / AWS EC2 / Git & Github

Built on the Open Source [CKAN](#) project | Managed team of 3 developers | Led upgrade to CKAN 2.9

Freelance | Web Developer

2016 - 2021

PHP, JavaScript, jQuery, MySQL, Apache, WordPress

Murad Clinic Lahore | Full Stack Web Developer

2015 – 2016

In high school (11th grade), I created an EMR (Electronic Medical Records) website in PHP-MySQL that ran in a local clinic for a year.

PROJECTS

- **NextJS Portfolio Website & Blog:** rohanhussain.com
- **TripBazar.pk:** A website that's a search engine for local tours in Pakistan.
- **Blockchain Messaging App (Python):** Received RAShip offer from a professor at a German University in Blockchain after this.

TECHNOLOGIES

- **Languages:** Typescript/JavaScript, Python, PHP, C, C++
- **Frameworks, Libraries, & Tools:** NextJS 14 App Router, ReactJS, Server Components, Redux, Zustand, Context, ExpressJS, NodeJS, NestJS, Flask, EJS, Jinja2, Wordpress, CKAN
- **Databases & Tools:** MySQL, MariaDB, PostgreSQL, MongoDB, Google Cloud Firestore/Datastore, TypeORM, Sequelize ORM
- **Cloud & Deployment Tools:** AWS EC2, S3, SES, IAM, VPC, Amplify | Nginx, Apache | Vercel
- **Testing:** Jest, React Testing Library, Playwright, Mocking, Selenium,
- **Other Tools:** Figma Prototyping, HCI | Adobe After Effects, Illustrator, Photoshop, Microsoft Word, PowerPoint, Excel, Sheets

AWARDS & EXTRA CURRICULARS

- Listed in Book "101 Brilliant Students of Lahore" by FAIDA Foundation in 2016
- Director of IT & Creativity at the LUMS Media & Arts Society (LMA) & FILUMS International Film Festival (2019-20)
- Assistant Director HumAahang – A society for interreligious harmony
- Senior Humorous Declamation Speaker at the Government College University Lahore Debating Society (GCU DS)

LANGUAGE PROFICIENCY

- English (Fluent), I was editor of a literary blog in high school
- Urdu (Fluent) | Punjabi (Conversive) | Persian (Beginner)

INTERESTS

Urdu-English Literature, Urdu Modern Fiction & Modern Poetry | Philosophy | Art (Vector Illustrations) | Languages