

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)

Turing | Lead Senior Software Engineer & AI Trainer

Mar 2025 – Present

NextJS 15 App Router, ReactJS, TypeScript, TailwindCSS

I am 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 am also involved in a program to assess GPT's language capabilities in Urdu.

Metal | Founding Full Stack Frontend-Heavy Engineer E3

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, 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](https://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 - Present

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

Built on the Open Source [CKAN](https://ckan.org/) 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

- RESTful API for Apnay Rung: Software Engineering course project | Wrote the backend Express API to a frontend React App.

- 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