

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, Computer Networks, Network Security

EXPERIENCE (8 years)

Apollo Group (Y-Combinator Startup) | Founding Full Stack Engineer E2

May 2023 – Present

GPT, OpenAI Embeddings, Vector Databases, NextJS, ReactJS, ReactQuery, TailwindCSS, Python, Microsoft Playwright, Jest, React Testing Library, GitHub, CI/CD, JIRA,

Apollo Group is the next project of the Airlift team, which was Pakistan's largest startup and raised \$120M in capital. Being the first engineer hired by the company, I have led the launch of 2 MVPs, namely a GPT-based chatbot webapp and a React-based NextJS web application.

Educative | Full Stack Software Engineer

Aug 2022 – April 2023

NextJS, ReactJS, 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 page: "educative.io" was 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 | Upgraded EC2 instance 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 for a local.

PROJECTS

- **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, Haskell, C, C++
- **Frameworks, Libraries, & Tools:** NextJS, ReactJS, Redux, Context, ExpressJS, NodeJS, Flask, EJS, Jinja2, Wordpress, CKAN
- **Databases & Tools:** MySQL, MariaDB, PostgreSQL, MongoDB, Google Cloud Firestore/Datastore, Sequelize ORM
- **Cloud & Deployment Tools:** AWS EC2, S3, SES, IAM, VPC, Amplify | Nginx, Apache
- **Testing:** Mocha, Jest, React Testing Library, Mocking, Selenium, Playwright
- **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 | Sports