

Muhammad Osama Arshad

Full-Stack Developer

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SUMMARY

Full-Stack JavaScript developer proficient in modern single-page applications and secure, scalable back-ends using React and VueJS, GraphQL, REST, NodeJS and the cloud.

KEY SKILLS

JavaScript, ES6+, React, React Hooks, NodeJS, VueJS, GraphQL, Redux, Docker, AWS, GCP, RESTful APIs, Webpack, Sass, SQL, Google Cloud Platform, Python, Django

WORK EXPERIENCE

Learning Hub Pvt. Ltd., Lahore, Pakistan

January 2020 - Present

Technical Consultant

Worked as a consultant providing my input and feedback on their AWS infrastructure, technical hiring and development processes.

- Designed Learning Hub's video streaming architecture enabling streaming of over 100TBs per month.
- Wrote a custom video encoding solution for encryption and delivery of secured video content, resulting in reduced costs for video encoding as well as online content protection.
- Worked significantly on interviewing and hiring appropriate candidates for the technical team.

Leveraged Knowledge in PHP, Moodle, AWS, Node.js, Vue.js, Linux administration.

Jumpcut, Inc., Y Combinator (S16), California USA

August 2019 - February 2021

Software Engineer Level 3 (Remote Contractor)

Worked as a full-stack engineer in React and Node responsible for a portion of Jumpcut's microservices based architecture.

- Implemented a distributed service that enabled real-time previews of web pages in a dashboard.
- Optimized infrastructure costs taking monthly cloud costs down from \$5000 USD to under \$1000 USD.
- Automated the entire deployment life cycle of [creatives.club](#) API using Ansible, CircleCI and AWS resulting in zero downtime deployments.
- Revamped our user analytics configuration by integrating Google Tag Manager and React resulting in 100% accurate user event tracking.
- Wrote extensive documentation on local development environment setup reducing onboarding time for new hires.

Leveraged Knowledge in React.js, Hooks, NodeJS, JavaScript, ES6+, Apache Kafka, GraphQL, Puppeteer, AWS, GCP.

Arbisoft, Lahore, Pakistan

June 2017 - August 2019

Software Engineer

Worked both as an individual contributor as well as technical lead on multiple projects related to Open edX and education.

- Implemented a custom session sharing authentication/authorization solution resulting in seamless user experience across multiple web applications.
- Lead a team in optimizing a Node.js based forum that reduced response times from over 40s in the worst cases to under a second in all cases.
- Developed an open-source analytics extension to the Open edX platform, in collaboration with UC San Diego, which was certified by IMS Global.

Leveraged Knowledge in JavaScript, NodeJS, NoSQL, Python, Django and React.

Self-Employed, Lahore, Pakistan

Sep 2015 - June 2017

Freelance Web Developer

Worked as a freelancer developing numerous plugins, landing pages, websites and widgets for various clients.

Leveraged Knowledge in JavaScript, NodeJS, NoSQL, Python, Django, React and WordPress.

EDUCATION

Bachelor of Computer Science

2013 - 2017

University of Engineering and Technology, Lahore, Pakistan.

Courses: Web Technologies, Relational Database Systems, Object Oriented Programming, Software Engineering