

Abdullah Ch

✉ : abdullahchaudharry@gmail.com

☎ : +92-3124108473

🌐 : abdullahch.netlify.app



EDUCATION

Information Technology University (ITU)
Bachelor's in Computer Science

Lahore, Pakistan

WORK EXPERIENCE

EMPG LABS, Lahore - Software Engineer

Jan 2023 - present

- Designed and developed headless reusable components, decoupling the UI and the logic layers for better code maintainability and flexibility using React JS and Next JS.
- Improved code quality and maintainability by conducting component code refactoring and converting to TypeScript, reducing errors through static type checking.
- Collaborated with cross-functional teams to develop effective software solutions, utilizing communication and problem-solving skills. Translated stakeholder requirements into actionable development plans for successful project outcomes.

Trade Hat, USA (Remote) - Full-Stack Software Engineer

Sep 2021 - Jan 2023

- Optimized Webapp's bundle size by 15% through lazy loading, purging CSS, and migrating to lightweight libraries. The faster loading time led to a better user experience.
- Improved API security by implementing Refresh Token Rotation based Authentication with unique refresh tokens for each session using Node JS. Designed and implemented the mechanism, conducted thorough testing, and reduced the risk of data breaches. Demonstrated ability to implement innovative security solutions and commitment to data confidentiality.
- Designed and built a scalable WebSocket server with Node.js and the ws library, integrated with RabbitMQ for streaming real-time tickers' information and notifications.
- Created reusable UI components in Vue.js with the Decorator Pattern, improving code maintainability and saving development time. Deployed these components across multiple projects, reducing bugs and streamlining development.

BigOSoft, UK (Remote) - Full Stack Software Engineer

April 2021 - Sep 2021

- Built reusable React components with decoupled logic and UI layers using Hooks, improving code maintainability and development efficiency.
- Contributed to React-based POS and website front-end development using TypeScript and Material UI, delivering high-quality, responsive interfaces through collaboration with cross-functional teams.
- Created efficient and scalable RESTful APIs to support seamless communication between systems, ensuring productivity and minimizing downtime.

Scribe Audio, Islamabad (Remote) - Frontend Engineer

May 2021 - Sep 2021

- Enhanced the audio production team's workflow by collaborating with them to design and develop a custom audio tool. Led the project from ideation to deployment, ensuring seamless communication between the team and stakeholders, resulting in a successful and high-quality solution.
- Utilized ReactJS with TypeScript, Material-UI, and Redux to build scalable and maintainable applications.
- Collaborated with the Product Department to optimize their workflows and improve operational efficiency.

PROJECTS

Refresh Token Rotation

- Implemented Refresh Token Rotation Authentication System with Hacker Detection for improved security and lower risk of token leakage using Express, MongoDB and Node.
- Enabled Automatic Retry Mechanism for Failed APIs with Stale Access Tokens, enhancing the user experience using React JS.

Backend Ecommerce

- Built an E-commerce backend service with role-based authentication using JWT in Node, Express and MongoDB.
- Implemented advanced features such as search, sorting, and pagination of products and categories to enhance the user experience.

Anime Tracker WebApp

- Designed and developed a responsive web application that allows users to browse, search, and discover anime titles. The app features a clean user interface and intuitive navigation, and includes daily release updates, top-rated titles, and upcoming releases. Leveraging React, Redux, and RESTful APIs.
- Implement features such as advanced search functionality, browsing by genre, and seasonal anime catalogs.

RESEARCH EXPERIENCE

Intelligent Machines Lab, ITU - Machine Learning Intern

Jul 2019 - Aug 2019

- Generated training dataset of landscape features, from high resolution satellite imagery data using Labelbox. The dataset was used for prediction of vector borne disease's prevalence and quantification of agricultural land.
- This Internship was supervised by NYU.

ACTIVITIES AND ACHIEVEMENTS

Beta - Microsoft Learn Std. Ambassador Jan 2020 - Present

First Microsoft Ambassador from ITU. I have given 6 talks regarding Git, GitHub and Hacktoberfest Challenge, teaching students how to contribute to open-source world.

AWS Community Builder June 2020 - May 2023

Hosted webinars based on AWS and cloud-based technologies, I am the First AWS Community Builder from ITU and currently enrolled in the Front-End Web & Mobile program by AWS.

Venture For Pakistan 2021

Aug - Dec 2019

Selected as 1 of 40 Fellows out of a pool of 2k+ applicants for the inaugural Fellows S21 Cohort. VFP recruits top undergraduate students, puts them through rigorous training supplemented with a robust industry-focused curriculum.

DSC Lead - ITU

June 2020 - July 2021

2nd ever lead from ITU and Pakistan's DSC Chapter. I have given and organized about 10+ Talks and Events regarding GitHub and various Google Technologies. Polished the Google ecosystem of learning in Pakistan.

Top Rated Software Engineer on Stackoverflow

Jan 2020 - Present

Selected as 1 of the top 15% software engineers on [Stackoverflow](#) with a 1500+ reputation. My questions and answers have impacted more than 5.5 million Developers all around the World.

OTHER

Technical Skills: AWS: EC2, Lightsail, Lambda, Amplify, Chime; Azure: App service, DevOps, Static Apps; GCP: VM, App Engine, Colab; HTML, CSS, TailwindCSS, Bootstrap, Material UI, CoreUI, JavaScript, ReactJs, React

Native, Redux, Redux Thunk, NextJs, Strapi, HeadlessCMS, Git, GitHub, Redis, MongoDB, NodeJS, MySQL, NoSql, SemanticUI, Python, CNN, Dense Layer, Mobinet, C/C++, PyTorch, Colab, Tensorflow, Docker

Soft Skills: Leadership, Time management, Effective Communication.

Languages: Fluent in English and Urdu.