

Umar Farooq

Full Stack Engineer (AWS)

React.js/Node.js Developer with 2+ years of experience in full stack development, specializing in front-end and back-end technologies. Proven expertise in React.js, Node.js, and AWS services. Significant achievements include improving application stability and integrating payment solutions. Excels in collaborative environments to deliver high-quality, scalable web applications.

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/umarfarooq478

Work Experience

❖ Associate Software Engineer @ Code - Huddle , Islamabad

July 2023 - Present

Joined this service based startup, to contribute in backend development, Cloud Computing and deployments.

- Led a 6-month stability project for a React.js and Nest.js / Node.js teleconferencing app, achieving a 60% improvement in music streaming and call stability by implementing advanced caching mechanisms.
- Designed and implemented payment integration with Stripe and PayPal in NestJS, enabling the system to accept payments for the first time.
- Integrated AWS services (Amplify, Step Functions, CloudWatch, Lambda, S3, SNS), enhancing the overall cloud infrastructure.
- Managed CloudWatch operations for system monitoring and maintenance, ensuring continuous system uptime.

Stack & Technologies : React.js , Node.js , Nest.js , AWS , React Native , Stripe , Paypal , Software Project Management , NPM , YARN

❖ Research and Development Project Fellow @ CureMD , Remote

Sept 2022 - April 2023

Collaborated with this large scale prominent healthcare IT company, for developing an AI project to evaluate treatment journeys according to clinical guidelines.

- Developed an encoding mechanism to convert clinical guidelines into machine-readable format (JSON), streamlining the processing of clinical data.
- Created an Evaluation Algorithm to map patient treatment to encoded guidelines, enhancing the accuracy and efficiency of treatment evaluations.
- Served as the primary liaison between project fellows and CureMD, facilitating effective communication and collaboration.

Stack & Technologies : React.js , Node.js , Python , Javascript , GraphDB , Protege

❖ Research and Development Project Internship @ CureMD, Lahore

July 2022 - Aug 2022

Joined for immersing myself in workflow, medical record data formats, and software structure onsite.

- Gained proficiency in MERN stack technologies, contributing to various project tasks during the 2-month internship.
- Acquired knowledge of IT healthcare terminologies and database structures, assisting in improving data management processes.
- Enhanced skills and knowledge through various courses, applying new techniques to support ongoing projects.

Stack & Technologies : React , Node , Python

Education

❖ BS Computer Science

National University of Computer and Emerging Sciences

2019 - 2023

CGPA : 2.96

❖ Intermediate (Pre - Engineering)

PAEC Boys Higher Secondary School

2017 - 2019

Marks : 89 %

Areas of Expertise

React.js | Node.js | Redux | AWS (EC2, S3, Lambda, Amplify, Step Functions, CloudWatch) | JavaScript | TypeScript | RESTful APIs | Version Control System(Git) | Responsive Design | Web Development | Backend Development | Request Handling | Cloud services

Soft Skills

Communication Skills | Attention to detail | Time Management | Leadership | Scalability | Innovation | Scalability
Problem-Solving | Ability to work independently | Debugging

- ❖ **Young Inventor Award** 2022
CureMD , Lahore
- ❖ **Science Talent Farming Scheme - III Awardee** 2017 - 2019
Pakistan Science Foundation