# Umar Farooq

## Full Stack Developer

Software Engineer with 2+ years of experience in full stack development, specializing in 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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## 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.
- *Introduced* peer code reviews and ensured code quality through functional/unit tests.
- Utilized Docker for containerization, enabling efficient deployments.
- Collaborated within an agile development team, ensuring timely feature delivery.

**Stack & Technologies :** React.js , Node.js , Nest.js , AWS , React Native , Stripe , Paypal, Software Project Management, NPM , YARN , Git , Docker , Docker-Compose, Github Actions

❖ **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**                                                  **2019 - 2023**
National University of Computer and Emerging Sciences          CGPA : 2.96

❖ **Intermediate (Pre - Engineering)**                                     **2017 - 2019**
PAEC Boys Higher Secondary School                              Marks : 89 %

## Areas of Expertise

React.js  Node.js  Redux  AWS (EC2, S3, Lambda, Amplify, Step Functions, CloudWatch)  JavaScript  TypeScript  Java  C++  RESTful APIs  Version Control System(Git)  Responsive Design  Web Development  Backend Development  Request Handling  Cloud services  GIthub Actions  Continuous Integration  Docker  Agile methodologies  Docker-Compose  Microservices architecture

## 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