



CX TECHNOLOGIES

(PVT) LTD.

Hi there, kindly complete the test given below and submit it back via email at shahzad.sattar@codeexperts.co.uk

Note: This is an open-book test and you can take help from books and google as I don't mind even if you copy past things. Use charts, diagrams, images etc. to answer questions on the best level. Remember only those candidates who will be called for interviews who answered all questions. If you have any questions about the test you can contact us on WhatsApp at 0331-514-6099

- 1- What is an SRS document and have you written any SRS document if yes then can you share a copy of it?
- 2- What is API
- 3- What is Rest API
- 4- What is ERD / FRD
- 5- What is SAAS
- 6- What is MERN
- 7- What is an ERP
- 8- What is a CRM
- 9- What is React Native
- 10- What are Native Mobile apps and Hybrid Mobile apps? What is the difference
- 11- What is the use of JIRA and how it can benefit a company
- 12- Which tools and technologies have been used to develop
 - a. www.olx.com
 - b. www.daraz.com
 - c. www.ebay.com
 - d. www.webtrics.ca
 - e. www.rozee.pk
- 13- Can you list down modules/features of an eCommerce marketplace website
- 14- Can you list down modules/features of the Classified website
- 15- Can you list down modules/features of the YouTube website
- 16- Can you list down modules/features of the Inventory Management System
- 17- Can you list down modules/features of the Electronic Health Record System
- 18- Can you list down modules/features of the Point of Sale System
- 19- Can you list down modules/features of the Human Resource Information Management System
- 20- What is NFT
- 21- What is an www.opensea.io
- 22- What is Blockchain
- 23- Can you explain what is a Software Development Lifecycle
- 24- Can you write down a proposal if yes then can you submit a proposal on the below 4 RFP's not more than 1500 words?



RFP 1

I'm looking for a well versed React developer to help me with a long-term client project.

About the project

- We're re-building a boarding school management platform with a wide array of features - the old project is a pure Django app which we're rebuilding with a separate React frontend
- Full-stack project with Python/Django backend and React.js frontend (you'll be working on the frontend only)

Example tasks:

- Build out a messenger module based on API endpoints and a design
- Build out a calendar module based on API endpoints, design guidelines and other requirements
- Build a photo gallery including automatic image compression, thumbnail generation leveraging AWS tools and/or the app backend, image compression APIs etc.
- Help me properly structure the growing React codebase and refactor as we go
- Build a reusable data table with functionality such as sorting, filtering, API based pagination using React Query and Tanstack Table
- Layout and design fixes

Requirements:

- 2+ years of in-depth experience with React.Js
- Experience with RESTful APIs
- Experience with or willingness to learn Tailwind CSS / Tailwind UI
- Experience working remotely & asynchronously
- Experience working for other developers and/or in a development team
- Ability to understand requirements and follow instructions - sometimes they will be quite technical and specific, other times I'll expect you to make your own technical decisions in the context of the project
- Great communication and questioning skills - make sure you understand and clarify before you spend a lot of time building the potentially wrong thing



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Bonus:

- experience with Django/Python
- experience with AWS, specifically Amplify and S3
- experience with libraries such as React Query, Tanstack Table, Socket.io
- you speak German

About me

I'm a full-stack developer and consultant and work directly with the owners or directors of the businesses that are my clients. I'm originally from Germany and now live in Australia. I prefer asynchronous communication such as via Trello and Loom. My instructions will sometimes be very specific and sometimes you will have to work out the details independently. I expect you to communicate well and ask questions.

This could turn into a permanent part or full time position for the right candidate.

RFP 2

Are you a Back End Developer working hands on with Express.js frameworks? Are you familiar with modern back end development methods? Are you a fluent English speaker and can effectively understand / communicate ideas?

We are building a premiere platform connecting the top 1% of content creators with brands.

BONUS: If you have had experience building out a collaboration feature similar to Google Docs or Figma commenting. Please state that in your application.

What You Will Be Doing:

Integration of user-facing elements developed by front-end developers with server side logic

- Writing reusable, testable, and efficient code
- Design and implementation of low-latency, high-availability, and performant applications
- Implementation of security and data protection
- Integration of data storage solutions via Firebase

Key Qualifications:



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- 3+ years experience of Node.js and frameworks available for it including Express.js
- 3+ years experience with React (or Angular)
- Understanding fundamental design principles behind a scalable application
- Understanding the nature of asynchronous programming and its quirks and workarounds
- User authentication and authorization between multiple systems, servers, and environments

RFP 3

I'm looking for an experienced Solana/Rust developer to build me a CrowdFunding protocol on the Solana Blockchain.

The basic functionality is that campaign creators will post a project with a target goal.

The target goal will be in SOL and all transactions will occur in SOL.

If the target goal is reached then the SOL collected from the campaign will be released to a head custody account for review of transaction and release to the campaign maker's wallet.

If the target goal is not reached then the smart contract will automatically return the collected funds to all the campaign donors SOL wallets.

Looking for deep blockchain/Solana/Rust experience. Looking to get this project live in the next couple of months and need to get this built as the back-end.

RFP 4

We are looking for a company that can design a radio application for us , we already have the radio streamed online

<https://player.broadcast.radio/uradio>

We need the app to be in English and Arabic.



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Features required :

- 1- Choosing Arabic or English in app
- 2 - Streaming our online radio through it
- 3 - Android and ios
- 4- Ability to register so users can send messages
- 5- listen to songs listed
- 6- browse shows schedule
- 7- send messages to radio host or audio notes
- 8- Posting episodes (CMS system) so users can catch up what they missed in live

We will upload manually

- 9- new and events tab to be able to post updates to users
- 10 - radio hosts profiles

Which includes name picture and description

- 25- What is Upwork and how it really works
- 26- Can you tell me why do you wish to make your career as an online bidder?
- 27- Have you ever used Upwork?
- 28- What are your weaknesses?
- 29- Where do you see yourself after 5 years?
- 30- Are you comfortable working rotational shifts? We have two shifts 9 am to 6 pm & 12 pm to 9 pm.
- 31- Why should you be chosen over other candidates?
- 32- What are your salary expectations?