



ADVERTISEMENT FOR BLOCKCHAIN PROJECT AT THE UNIVERSITY OF HYDERABAD

The University of Hyderabad research team, under Professor. Vijaya Bhaskar Marisetty and Dr. Varsha Mamidi leadership, is developing an integrated “Blockchain enabled cold chain supply chain logistics for Pharmaceutical Industries” under Institution of Eminence (IoE) - Sanction Order No: UoH-IoE-RC4-21-003. We are planning to recruit ‘four’ employees with the budget allocated for manpower under this project. The required qualifications, job description and Salary for available positions are listed below:

ALL APPLICATIONS SHOULD BE E-MAILED TO: marisetty@uohyd.ac.in

LAST DATE OF APPLICATION: 31st December 2021

All the appointments are currently meant for a period of 15 months.

1) Blockchain developer:

Salary:

Rs. 50,000/- per month(consolidated) on ad hoc basis.

Responsibilities:

- Participate in the design, development, evaluation, and deployment of decentralized solutions
- Develop, test, and deploy smart contracts across an array of domains
- Develop high-quality code that is maintainable, performant, and accessible
- Brainstorm and help evaluate applications for new tools and technologies as they continually evolve.

Requirements:

- Experience in developing Blockchain applications or proofs-of-concept (POC) using Hyperledger Fabric, Blockchain-based App Development and Token Development.
- Demonstrate a good understanding of Blockchain fundamentals, the blockchain ecosystem, deployment topology and architectures, smart contracts, consensus algorithms.
- Strong understanding and experience in developing, smart contracts, and consensus algorithms.
- Working knowledge of at least one of the Blockchain frameworks such as Hyperledger Fabric, R3 Corda, Ethereum (Solidity)
- Experience in application architecture and API based integration
- Experience in using cloud infrastructure (AWS, Azure) and Linux based platforms like Ubuntu
- Hands-on experience in using any of the following (or similar) languages and DB: Golang, Javascript, NodeJS, CouchDB, mongodb

2) Machine Learning Application Developer:

Salary:

Rs. 40,000/- per month(consolidated) on ad hoc basis.

Responsibilities

- Study and transform data science prototypes (unclear what is meant here)
- Design, train, develop and test NLP applications
- Identify appropriate annotated datasets for Supervised Learning methods
- Effectively transform natural language into useful features
- Find and implement suitable algorithms and tools for NLP tasks
- Perform statistical analyses of output and refine models
- Extend ML libraries and frameworks to apply in NLP tasks
- Remain up to date in the rapidly changing field of machine learning and identifying innovations that present an opportunity

Requirements

- Proven experience as an NLP Engineer or similar role
- Understanding of NLP techniques for text representation (such as n-grams, bag of words, sentiment analysis, etc.), semantic extraction techniques, data structures, modeling statistics and classification algorithms.
- Ability to design software architecture effectively
- Knowledge of Python, Java, and R
- Ability to write robust and testable code
- Experience with machine learning frameworks (like Keras or PyTorch) and libraries (like sci-kit-learn)
- Strong communication skills
- An analytical mind with problem-solving abilities
- Degree in Computer Science
- Experience in NetLogo will add an advantage

3) Android and Web app Developer:

Salary:

Rs. 30,000/- per month(consolidated) on ad hoc basis.

Responsibilities:

- Develop Hybrid apps.
- Maintain performance, quality, and responsiveness of applications.
- Identify bugs in software and devise solutions
- Active role in problem-solving
- Ability to translate Wireframes and PSD Designs into a functional app
- Ability to learn new technologies quickly
- Staying up to date with new mobile technology trends, applications, and protocols
- Writing clean and efficient codes for Android applications, following best practices and conventions
- Designing and building scalable applications from end to end.
- Designing and developing APIs.
- Ability to Deploy applications on servers and quickly debug hosting related issues.
- Ability to translate Wireframes and PSD Designs into functional web apps using HTML5, React.js, Node.js, and Mongo Ability to learn new technologies quickly

Requirements:

- Ability to develop App from scratch.
- Ability to make use of blockchain as backend database
- Experience in react, native or kotlin
- Adept at Android Studio, Responsive UI, Material Design.
- REST API, SQLite
- MVC, MVP, MVVM, MVI is a plus
- At least 1+ years of experience as an Android developer and Web developer
- Knowledge of SQLite database Experience in jetpack components and interest in pursuing new trends in android.
- Familiarity with cloud message APIs and push notifications
- Understanding of Google's Android design principles and interface guidelines
- Basics of firebase.
- Expertise in Complete MERN (Node js, Mongo DB, React js and Express js)
- Strong analytical and problem-solving skills
- Experience in managing server infra in AWS/GCP

4) Consultant tester and Software optimizer

Salary:

Rs. 20,000/- per month(consolidated) on ad hoc basis.


Responsibilities:

- Design, implement and evolve highly scalable and fault-tolerant distributed components using functional programming paradigm
- Participate in business requirements review and build functional & technical design documentation
- Design and implement testing procedures for: APIs, abstractions and integration patterns to solve challenging distributed computing problems
- Participate in design reviews to provide input on functional requirements, product designs, schedules, or potential problems.
- Work across the team to ensure the team is predictable, productive, and delivering high quality.
- Review code and accountability for teams development activities
- Participate in proof of concepts and other technical evaluations of new technologies
- Responsible for guiding technical discussions
- Responsible for designing and implementing test automation strategies for medium-scale to complex projects.
- Brainstorm and help evaluate applications for new tools and technologies as they continually evolve.

Requirements:

- Experience in commercial software development & testing on Unix/Linux environments.
- Expertise in python, REST, DOCKER, and JIRA based technologies.
- Familiarity with operations research, ML optimization, and AI techniques;
- Experience in architecting solutions with Continuous Integration and Continuous Delivery in mind

Professor. Vijaya Bhaskar Marisetty, University of Hyderabad


PROFESSOR
School of Management Studies
University Of Hyderabad
Hyderabad-500 046.