Rahul Krishna Eragarla

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Full Stack Developer

An MSc in Computing with anticipated 2:1 degree and over 2 years of practical experience in software development. Proficient in Java, Spring Boot, MySQL, Postgres, JavaScript, React, HTML, CSS, and DevOps. Strong communication skills and a collaborative mindset. Effective problem-solving abilities and experience working in teams.

EXPERIENCE

Program Analyst   August 2021 - July 2023

Excelacom Technologies PVT LTD, Chennai, India

Worked as java full stack developer / engineer in a telecom-based product company creating configuration tools with BPMN to build functional web pages through configuration.

- Enhanced the configuration tool with **Business Process Model and Notation** (BPMN) which provides a graphical representation of business workflow and can configure the business model.
- Created an API using java, Spring boot, to support the dynamic load management system, enhancing its functionality and performance.
- Worked directly with UI team to develop new features, web pages and customized existing platform based on the requirements to maintain optimized and scalable development practices.

Achievements: Developed a JSON schema validator and Template creation tool to create APIs for the BPMN 2.0 tool to integrate in the working environment in Excelacom technologies.

EDUCATION

Master's Degree   September 2023 - present
Dublin City University, Dublin, Ireland
M.Sc. Computing (Secure Software Engineering)

Relevant Modules:
Cryptography and number theory, Secure Programming, Concurrent Programming, Professional research methods and practices, Network Security

Bachelor's Degree (78%)   September 2018 - July 2022
Vel Tech Multi Tech Rangarajan and Sakunthala Engineering college, Chennai, India
B.Eng. Computer Science and Engineering

PROJECTS

Creating And Minting NFT's using Solana block chain in web 3.0:
- Generating several NFTs, each of which will have a distinct look but be registered in Solana and minted in web3.0.
- The website's primary function is to facilitate the purchase of NFTs. These NFTs are created using a specific tool, which, as its input, utilizes various segments of a given image along with similar images featuring diverse textures and colors.
- The tool then assembles these components to produce a complete image. This final image is not only registered on the Solana blockchain for verification and ownership but is also listed on the website for public viewing and acquisition.
- The tool is developed using Node.js, Solidity, React, and APIs.
- https://rkj3astroboysolana.netlify.app/

Blockchain Sentinel for Smart Contract Security and Tool Modularity:
- Develop a robust tool to analyze and identify vulnerabilities in smart contracts, addressing critical issues within blockchain applications.
- Implement storage functionalities in the Chrome browser for seamless data management, ensuring accessibility and convenience for users.
- Focus on paramount importance, recognizing that vulnerabilities in smart contract code can lead to significant problems within blockchain ecosystems.
- Design the tool with a modular approach, allowing for easy integration of new security features and updates, enhancing its adaptability to evolving blockchain technologies.
- Will utilize languages such as Java, JavaScript, React, HTML, and CSS to create an efficient and user-friendly interface for vulnerability analysis.

KNOWN TECHNOLOGIES

- JAVA
- Spring boot
- My SQL
- Postgres
- Jenkins

- JavaScript
- Node.js
- React
- Solidity
- AWS

- HTML
- CSS
- Jenkins
- AWS