

Yash Sahsani

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Summary

A creative problem solver with a broad range of technical skills who is passionate about creating better software.

Experience

Cloud Developer

Techwondoe

01/2022 - Present

- Worked on a migration project called "Ruralco" for better automation of invoice processing using google cloud platform(GCP).
- Developed several GCP cloud functions, cloud-based applications, and DevOps tools like CI/CD using terraform.
- The following technologies are being used: Google Cloud Platform(GCP), Gitlab, Typescript, Node.js, Jira, Tetraform, and CI/CD.
- We collaborate closely with Fiserv and lbmx for enabling digital payments for migrated & non-migrated customers.

Nodejs/Block-chain Developer Intern

Cilians System • Ahmedabad, Gujarat

04/2020 - 07/2020

- Created a Hyperledger-based marketplace for the sale of automobiles using IBM Blockchain Service and its VScode extension.
- Wrote a chain-code in NodeJS for a project for the implementation of royalty distribution in the entertainment industry.
- Both projects have been set up on the IBM Cloud, and an API as well as a web application were developed to communicate with the IBM Blockchain Service.

Backend Developer Intern

Cilians System • Ahmedabad, Gujarat

04/2021 - 08/2021

- Researched on non-fungible tokens initially.
 - Began developing a proof-of-concept (POC) utilising the Nodejs, Solidity, HTML, CSS, OpenSea, and IPFS tech stack for the NFT marketplace.
 - Later created a simple Web application.
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Projects

- **NVCoins**
 - No Value Coins Crypto currency using Block Chain Technology
 - The project contains a basic implementation of a block chain and its client using Python. This blockchain has the following features:
 - Possibility of adding multiple nodes to the block chain.
 - Proof of Work (PoW).
 - Simple conflict resolution between nodes.
 - Transactions with RSA encryption.
 - The block chain client has the following features:
 - Wallets generation using Public/Private key encryption (based on RSAalgorithms)
 - Generation of transactions with RSA encryption.

- **Tensorplace (IBM Accelerators Program)**
 - It's a real-time project that uses the Hyperledger fabric to make every transaction transparent so that consumers can have faith in the app. Developers can sell their code that they have published to version control systems like GitHub, GitLab, and big-bucket.
- **MediaChain**
 - It's a Hyperledger Fabric based project. It's a Blockchain application to distribute royalties for the entertainment industry.
 - [A thorough explanation is available on the blog.](#)
- **Kamehameha**
 - It is a worm and ransomware that initially takes use of the psexec vulnerability in Windows and the ssh vulnerability in Linux systems. The executable files for the ransomware are then downloaded and automatically run on the owned system. This project, which is similar to WannaCry and Mirai, is only for POC.
- **Analysis of Different Types of Malwares**
 - To be familiar with how different kinds of antivirus software work. I've attempted developing many viruses, including Trojan horses, malware, and ransomware, and I've also tried to get them to reverse the antivirus software.
- **Insurance App Using Hyperledger Fabric**
 - In this application, the network has four businesses that speak to one another over a single channel. Each of these institutions, which go by the names of Shop, Insurance, Police, and RepairShop, has its own Certificate Authority in addition to having a single orderer. The IBM Blockchain VS Code Extension has been used to assist in network building. With its support, we were able to remotely build a network, deploy our chaincode, and test it.
 - [Blog](#)

Skills

- **Programming Languages:** Python, Java, Solidity, Nodejs, JavaScript, Ruby, Assembly, C++, php, NodeJS, NestJS, Typescript.
- **Competencies :** Penetration Testing, Cryptography and Network Security, Blockchain (cryptocurrency, hyperledger fabric), Reverse Engineering, Cloud (AWS, GCP, IBM, firebase).
- **Version Control :** Git.
- **Database :** sql and nosql
- **OS :** Linux, Android, Windows.

Education

Information Technology

Charusat University • Anand, Gujarat

04/2022

I successfully completed my B.Tech in Information Technology and earned an 8.74 CGPA.

Academics

Rosary High School • Vadodara, Gujarat

04/2018

My elementary, secondary, and higher secondary studies were completed here. Additionally, I received a 73% in my 12th grade.

Certifications

- NPTEL Cryptography and Network Security
- IBM Build an IoT Blockchain Network for a Supply Chain
- Network Security & Database Vulnerabilities

- Cybersecurity Compliance Framework & System Administration
 - NPTEL Java Programming.
 - Udemy Certifications for Social Engineering and Web App Penetration Testing.
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Socials

- [Github](#)
 - [LinkedIn](#)
 - [Medium](#)
 - [Website](#)
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Languages

English, Hindi

Hobbies

Reading, Football, Hiking, Gym, Cross fit, travelling, TV series/documentaries