

# Yash Sahsani

BACKEND DEVELOPER, BLOCKCHAIN DEVELOPER

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## Summary

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

## Experience

### Techwondoe

New Zealand

CLOUD DEVELOPER

Jan 2022 - Current

- I'm working on a migration project called "Ruralco" for Techwondoe, a business in New Zealand. We collaborate closely with Fiserv and IBM. The following technologies are being used: Google Cloud Platform (GCP), Gitlab, Typescript, Node.js, Jira, Terraform, and CI/CD. I worked on developing several GCP cloud functions, cloud-based applications, and DevOps tools like CI/CD.

## Internship

### Cilans System

Ahmedabad, Gujarat

BLOCKCHAIN DEVELOPER/NODEJS DEVELOPER

April 2020 - June 2020

- In the cilans system, this was my first internship. Using IBM Blockchain Service and its VScode extension, I created a Hyperledger-based marketplace for the sale of automobiles. Additionally, a second project was created and the chain-code was written in NodeJS for the implementation of royalty distribution in the entertainment industry. Both projects were set up on the IBM Cloud, and an API and web application were developed to communicate with the IBM Blockchain Service.

### Cilans System

Ahmedabad, Gujarat

BACKEND DEVELOPER

April 2021 - August 2021

- In the cilans system, this was my second internship. We investigated non-fungible tokens. Then I began developing a proof-of-concept (POC) utilising the Nodejs, Solidity, HTML, CSS, OpenSea, and IPFS tech stack for the NFT marketplace. We created a simple Web application.

## Skills

**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).

**Operating System** Linux, Android, Windows.

## Projects

### NVCoins

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- 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 block chain has the following features:
  1. Possibility of adding multiple nodes to the block chain.
  2. Proof of Work (PoW).
  3. Simple conflict resolution between nodes.
  4. Transactions with RSA encryption.
- The block chain client has the following features:
  1. Wallets generation using Public/Private key encryption (based on RSA algorithms)
  2. Generation of transactions with RSA encryption.

### Tensorplace (IBM Accelerators Program)

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- 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

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- Its a Hyperledger Fabric based project. Its a Blockchain application to distribute royalties for the entertainment industry.
- A thorough explanation is available on the blog. [here](#)

## 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

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- 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.
- A thorough explanation is available on the blog. [here](#)

## Certifications

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- EC-Council CEH certificate of Attendance
- NPTEL Cryptography and Network Security
- IBM Build an IoT Blockchain Network for a Supply Chain
- IBM Blockchain Essentials
- Network Security & Database Vulnerabilities
- Cybersecurity Compliance Framework & System Administration
- Udemy Certifications for Social Engineering and Web App Penetration Testing.
- NPTEL Java Programming.

## Education

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### Charotar University

I SUCCESSFULLY COMPLETED MY B.TECH IN INFORMATION TECHNOLOGY AND EARNED AN 8.74 CGPA.

*Anand, Gujarat*

*June 2018 - Current*

### ROSARY HIGH SCHOOL

MY ELEMENTARY, SECONDARY, AND HIGHER SECONDARY STUDIES WERE COMPLETED HERE. ADDITIONALLY, I RECEIVED A 73% IN MY 12TH GRADE.

*Vadodara, Gujarat*

*June 2006 - 2018*

## Activities/Hobbies:

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- Reading, Soccer, Gym, Cross fit, travelling, TV series/documentaries