

Aliasgar J Merchant

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PROFILE

Innovative Software Engineer with algorithm designing skills in Java, Go, Solidity & Python. Experienced Blockchain/Software Developer with expertise writing highly scalable & readable software using solid design principles. Proactive learner with sharp problem-solving skills and passion to create positive impact.

PROFESSIONAL EXPERIENCE

Software Developer – Pagarba (Apprenticeship)

May 2020 – Present

- ✓ As a Software Engineer at Pagarba, I worked extensively with the **Cosmos SDK**, a modular blockchain development framework written in **Golang**
- ✓ Developed Smart Contracts in **Cosmos SDK** to integrate data from IOT devices and Mobile app (**Flutter**) onto our Blockchain
- ✓ Ensured documentation and maintenance of Jira.

Blockchain Developer / Solutions Engineer – 1kosmos, Digital Identity Safe / Jefferies LLC

April 2019 – April 2020

- ✓ Built robust smart contracts using **Solidity** to store certificates on **IPFS** for password-less login
- ✓ Scripted implementation documentation like User Guide and Admin Guide using **Document360** – for **reusability**
- ✓ Designed **architecture** & drafted **white paper** of BlockID – vault: A Blockchain based decentralized password vault using **Corda**
- ✓ Developed demo websites increasing adoption of BlockID by 15% using **HTML/CSS, JavaScript & Bootstrap**
- ✓ Initiated weekly team calls, created agenda & drove meetings – tracking the progress in **Jira**
- ✓ Implemented '**Password-less authentication**' to login into **Windows** and **UNIX** system reducing end to end authentication time to **10 seconds**
- ✓ Ensured **deployment, installation & configuration** of components **on premises & on cloud** – **Amazon Web Services**
- ✓ Reduced the latency of login by **50%** & documented it using **Confluence** and **Grafana**
- ✓ Performed security check by **testing, troubleshooting** and **QA**

Software Developer – Chainhaus LLC

Oct 2018 – April 2019

- ✓ Developed sophisticated code for issuing certificates for online courses / events using **Java, Spring-Boot, Bootstrap, Firebase & Solidity**
- ✓ Built POC for money traceability for **World Bank** with features like – *disbursement of capital & tracking of tokens issued*; ensuring **transparency & immutability**

Blockchain Research Associate – Stevens Institute of Technology

Dec 2018 – May 2019

- ✓ **Designed** curriculum for Blockchain course and **Researched** tools/languages to be consumed by students

Teaching Assistant – Stevens Institute of Technology

Aug 2018 – May 2019

- ✓ Assisted Dr. J. Morabito in designing & implementing course – **Data and Knowledge Management**

Research Assistant – Stevens Institute of Technology

May 2018 – Dec 2018

- ✓ Extracted, Transformed & Loaded data from open source projects using **Python** and **R** to analyze the contribution of core team v/s peripheral teams in an open source software

EDUCATION

Stevens Institute of Technology, Hoboken, NJ, 3.7/4

MS – Information System, Aug 2017 – May 2019

University of Mumbai, Mumbai, 7.01/10

B.Eng. – Computer Science, Aug 2013 – May 2016

PROJECT

Algorithmic Trading – Stock prediction using Harmonic patterns

Python | Java | API

Crypto Price Bot – IBM Watson based chatbot

Cognitive Computing | Python | Bootstrap

Eve Online – Data Visualization & Analysis of an online game

Python | Tableau | Excel

Major League Health – Personal wearable Healthcare for everyone

Solidity | C++ | Arduino | Raspberry Pi

LIFE – Medicine Delivery System using Blockchain

Ethereum | HTML/CSS | JavaScript | GCP

TECHNICAL SKILLS

Languages: Java, C/C++, Python, React, Node.js, JavaScript, HTML/CSS, MongoDB, Corda, Solidity

Technologies: Cryptography, REST, Ethereum, GCP, IPFS, Truffle, Ganache, Bootstrap, Linux/Mac OS

CERTIFICATION

Corda Certified Developer – Issued by R3

VOLUNTEER

Technical Advisor, OSO Safe - Helping Victims of Domestic Violence