

## Contact

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(LinkedIn)

[www.quora.com/profile/Ali-Abbas-1224](http://www.quora.com/profile/Ali-Abbas-1224) (Blog)  
[dev.to/realabbas](https://dev.to/realabbas) (Blog)

## Top Skills

User Interface Design

Interviewing

Leadership

## Languages

English (Full Professional)

Urdu (Full Professional)

Hindi (Limited Working)

Arabic (Limited Working)

## Certifications

Alumni

Learning React Native

Graduation from Startup School

Advanced Node.js: Scaling Applications

Learning Bitcoin and Other Cryptocurrencies

## Honors-Awards

Graduation from Startup School

Listed in Successful Startups in Kanpur

Interview Featured in Online Media Channel Vyapaarjagat.com

Hactoberfest 2019

Hactoberfest 2020

## Publications

1M+ Answer Views on Quora.com

Technical Writer at Dev.to

# Ali Abbas

SDE-3 @ Trential - Building Decentralised Digital Identity | Full Stack Engineer | Former Founder at MrRoom

Gurugram, Haryana, India

## Summary

As a full-stack software engineer with a flair for mobile apps and blockchain, I bring a versatile skill set to the table, ready to craft complex software systems.

From front-end design to back-end coding, I've got it covered—creating smooth user interfaces and writing solid server-side code.

With blockchain expertise, I understand decentralized systems and their applications, from finance to supply chain. Plus, my mobile development skills allow me to create top-notch apps for both iOS and Android.

Reach out anytime—I'd love to collaborate with startups to build cutting-edge solutions and solve engineering challenges.

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## Experience

### Trential

2 years 3 months

#### SDE-3

January 2024 - Present (1 year 1 month)

Gurugram, Haryana, India

- Working on developing wallet based on SSI (Self-Sovereign Identity) model
- Leading mobile and frontend development team to build decentralized products
- Conducted over 100 interviews for various positions, including frontend, backend, and mobile development roles

#### SDE-2

November 2022 - January 2024 (1 year 3 months)

Gurugram, Haryana, India

Building Decentralised Digital Identity (Self Sovereign Identity)

- Developed Mobile Agent for Holder to receive verifiable credentials from issuer and present verifiable proof to verifiers using Anoncreds credential format

- Involved in the development of an access control management system that utilised Self-Sovereign Identity principles. As part of this product, built a mobile agent that enabled verifiers to receive proof of credentials and grant entry based on that information.

## CRUBN

1 year 11 months

Software Engineer

May 2021 - November 2022 (1 year 7 months)

IIT Kanpur

Land Record Blockchain Project (Kaveri System in Karnataka)

- Developed Client Application for Karnataka Government to register properties on blockchain
- Built Support to handle hardware services like
  - Biometric Scanner for Aadhaar EKYC
  - USB Dongle for Digital Signature
  - Java Card Reader to store properties
  - Card Printer to print card to citizens with 16 letter number printed on it along with their name as received from UIDAI
- Added Name Matching Algorithm to check between names received from UIDAI and Karnataka's Kaveri System and made decision on the basis of matching percentage
- Improved the efficiency of Subsequent API Calls during Transaction Cycle which involves Transaction Proposal, Endorsement and Commitment

Karnataka e-GP Blockchain Project (Vendor Credentials & Bank Guarantee Network)

- Built Signing Transaction flow for Banks to submit Guarantee forms. It involved the generation of Public and Private keypair to sign the transaction, and publish it to Ethereum blockchain

Self Sovereign Identity (SSI) and Hyperledger Aries

- Developed various flows to manage and issue verifiable credentials on blockchain
- Integrated Issuer Portal with ACAPy Controller
- Added Credential Proactive Sharing, Dynamic Credential Design for each credential via SVG rendering and attribute injection, import, export wallet support for Hyperledger Aries Mobile Edge Agent built with React native
- Designed Credential and Integrated Connection Support for IIT Kanpur and IIT Indore in Hyperledger Aries Mobile Edge Agent built with Xamarin (C#)

### Software Engineer

January 2021 - May 2021 (5 months)

IIT Kanpur

CRUBN is a blockchain company based in IIT Kanpur. During my internship, I learnt about the use cases of Blockchain and how permissioned-blockchain actually works. Worked majorly on the development of Land Registration System and integration of the client with blockchain layer

### GitHub

Open Source Developer

July 2018 - September 2021 (3 years 3 months)

- Built a GitHub Action tailored for React Native projects.
- Contributed to various open-source initiatives.
- Managed repositories and resolved reported issues.

### Bharat Broadband Network Limited (BBNL)

Mobile Application Developer

December 2020 - January 2021 (2 months)

India

- Built Android Application to monitor the status of the installed network system in the urban, rural and village areas, where any bug or error can be reported directly with exact co-ordinates
- Developed RESTFUL API to communicate with Google Drive and Spreadsheet
- Deployed on AWS Cloud EC2 Instance and scaled for 4000+ GPs (GRAM PANCHAYATS)

### Outserved

Mobile Application Developer

July 2020 - January 2021 (7 months)

- Developed the Business and User Side application for Android and iOS platform

- Built Full Fledged Backend using Node and Admin Panel on Strapi

## MrRoom

Founder

August 2018 - December 2020 (2 years 5 months)

India

MrRoom simplifies the process of searching for rental rooms close to the desired location. A one-stop solution for people who want to focus more on work rather than wasting time on finding amenities

## Zuperly

Web Developer

July 2020 - September 2020 (3 months)

India

- Developed the UI/UX of the Website
- Also created Landing Pages and integrated Serverless Form for early beta user registration
- Integrated Google Analytics to track user metrics like bounce rate, session, views per page and elements clicked to make sound decision about the product

## Fitona

Full Stack Engineer

August 2019 - September 2020 (1 year 2 months)

India

Worked here as the Lead Engineer and developed the MVP product for both the user and business side, along with backend and admin panel.

## Ficting

Full Stack Developer

February 2020 - August 2020 (7 months)

India

Ficting is an Innovative Story Telling and Reading App. It is a platform which is trying to revive the reading habit of millennials by providing an engaging and non-distractive narration

Responsibility

- Created the whole UI/UX of the App
- Developed the Backend using Node and Koa
- Developed chat like innovative story feature
- Built Admin Panel with React
- Postgres as a database

- AWS Cloud Deployment and Auto Scaling

### PixelNib - Digital Marketing Agency

Mobile Application Developer

September 2019 - August 2020 (1 year)

Kanpur, India

- Developed an Invoice Generation Android Application using Node.js, Loopback.js for Server-Side
- React Native for cross-platform application development.
- MongoDB for storing data.
- Nodemailer, Imgur API and PDFKit are some other libraries used in the development of the project

### University Institute of Engineering and Technology, Kanpur

Web Application Developer

August 2018 - August 2020 (2 years 1 month)

Kanpur

Worked as Developer for the College for managing and maintaining the Faculty Portal

- Web Portal built with Angular.js
- Developed Restful API with PHP7
- Used MYSQL to store data.

under the guidance of Dr Sandesh Gupta (CS Department Faculty)

### Upwork

Freelance Developer

September 2019 - July 2020 (11 months)

India

- Interacting with Potential Clients
- Developing the App according to the requirement

### iB Hubs

Entrepreneur

June 2019 - July 2019 (2 months)

India

Founded Startup was among the 25 selected startups all over the India for iBHubs Startup School 2k19 under the mentorship of Mr. Abhinav Pandey and Mr. Avinash Thavva

## Webjoyce

MERN Stack Developer

November 2017 - May 2018 (7 months)

Kanpur

- Worked for 1 year at webjoyce on LAMP/WAMP Stack
- Developed several static, dynamic websites and setup payment Gateways like PayUMoney, Paypal API and worked on other 3rd party integrations

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## Education

St. Joseph's College, Allahabad

Intermediate, Computer Science · (2003 - 2016)

University Institute of Engineering, Kanpur

Bachelor of Technology - BTech, Computer Science · (August 2017 - May 2021)

Y Combinator

Startup School 2019, Entrepreneurship/Entrepreneurial Studies · (2019 - 2019)