



AMAN

Software Engineer



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WORK EXPERIENCE

3 Years

AGE

24

ABOUT ME:

I am passionate about doing work that challenges me on a daily basis and helps me to learn new things. I want to change a bit in the society by contributing the bit of my innovation into it. "Take step for yourself, others will join you".



Education

Bachelor, Technology

JMIT, Radaur
Kurukshetra University, Kurukshetra
Yamunanagar, Haryana

Graduated, June 2016
Marks 65%
Division 1

10+2

Blooming Dales School
CBSE Board
Hissar, Haryana

Graduated, March 2012
Marks 78%
Division 1

10

K.L. Arya D.A.V Public School
CBSE Board
Hissar, Haryana

Graduated, March 2010
CGPA 9.0
Division 1



Technical Skills

- Golang
- gRPC(Protocol Buffers)
- Hyperledger Fabric
- GIT
- NodeJS
- AWS
- MongoDB
- Angular
- Microservices
- Serverless
- MySQL
- PHP



Skills

- Highly Motivated and Goal Oriented with excellent interpersonal skills and ability to excel both as a team player and work independently.
- An effective team member with strong troubleshooting and problem solving skills.
- A keen learner with an ability to maintain focus, optimistic and persistent even under adversity.



Projects Undertaken

Project Title: Cab Hailing App (Microservices)

Technologies: golang, gRPC, mysql, microservices

Responsibilities: Freelance Backend Developer

Description: The aim of the project was to create microservice architecture based system for an Indonesian based cab hailing app. System was created in scalable way and having role based access for various roles of the organization (admin, telephonist). The system utilized zookeeper for service discovery and gRPC(Protocol Buffers) for inter service communications.

Project Title: Decentralised Crypto Trading Exchange

Technologies: golang, mongoDB, redis, rabbitmq

Responsibilities: Freelance Backend Developer

URL: <https://github.com/ProofSuite/amp-matching-engine>

Description: The client wanted to implement a matching engine for a decentralised cryptocurrency exchange, using, golang, rabbitmq, redis, mongo for orderbook and order matching before sending the trade to contract for execution. I helped deciding the architecture of the project and built the matching engine and other components of the exchange. The project is open source and can be checked on [github](#).

Project Title: Hyperledger Fabric Chaincode and client

Technologies: golang, hyperledger fabric

Responsibilities: Freelance Blockchain Developer

Description: Developed hyperledger fabric chaincode along with the REST API client to communicate with the chaincode. Chaincode utilised hyperledger fabric's private chaincode feature.

Project Title: Crypto Trading Exchange

Technologies: golang, mongoDB, etcd, rabbitmq, AWS, SES, SNS

Team Size: 6

Responsibilities: Backend Developer

Description: The aim of this application was to build easiest and advanced crypto trading platform. The user had the option to place the trade by utilizing all the market history and order book data or instead let us choose the best possible price for them and remove all the hassle. The user could deposit funds in form of any cryptocurrency supported by the exchange.

Project Title: Surgical Equipment Tracking & Management

Technologies: nodeJS, mongoDB, serverless, AWS, Angular4, iOS, Android, iBeacon

Team Size: 12

Responsibilities: MEAN stack Developer

Client: US based leading Fortune 500 medical technology company

Description: This application's aim is to provide real-time visibility of the equipment through transportation, sterilization, storage and use. This helps healthcare providers replenish the stock of sterilisable tools with greater efficiency. The system provides real time location tracking of the equipment and auto marking of shipments as intransit and delivered based on its location. It has four parts:

- **Salesrep:** It is an iOS and Android application using which a sales representative of the company can track the status and location of orders/cases assigned to him, and can also place new orders. User can also see details of his past and future orders as well.
- **Carrier:** This app is used by carrier user responsible for delivering the equipments from warehouse to hospitals. This app provides real time locations of shipments, having iBeacons attached, and provide functionality of manually delivering the shipment and taking shipment receiver's signature.
- **Gateway:** This app's main focus is to help in real time inventory management by continuously transmitting the data of equipments present in its range.
- **Admin:** Admin Panel provides admin real time visibility of the whole system and various reports to help in making intelligent business decisions.

Project Title: Employee Tracking

Technologies: nodeJS, mongoDB, serverless, AWS, Angular4, iOS, Android, iBeacon

Team Size: 12

Responsibilities: MEAN stack Developer

Description: This application aims at providing organisations intelligent employee tracking and employee attendance management. It has two parts:

- **AKEmployee:** It is an iOS and Android application which helps in tracking the employee during office hours. The employee is marked as being present in the office for the day as soon as they enter the office premises.
- **Admin:** Admin Panel provides admin real time visibility of the whole system and various reports to help in making intelligent business decisions.

Project Title: Proximity Marketing

Technologies: nodeJS, mongoDB, serverless, AWS, iOS, Android, iBeacon

Team Size: 4

Responsibilities: Backend and iOS developer

Description: This aim of this application was to turn any location into an engagement hotspot for delivering personalized messages for customers and serve targeted ads and personalize offers by detecting the customer's location and preferences.



Work Experience

May 2018 - Present

Freelance Software Developer

Freelancer

Gurugram, Haryana

I had the opportunity to work on multiple great projects.

- R&D hyperledger fabric
- Developed dex cryptocurrency exchange

December 2017 – April 2018

Software Engineer

Darwin Labs Pvt Ltd

Gurugram, Haryana

Developed crypto trading exchange's backend from scratch in golang.

- Ethereum and bitcoin blockchain monitors
- Trade matching algorithm implementation

July 2016 – December 2017

Software Engineer

Seraro Solutions Pvt Ltd (Earlier OSSCube Solutions pvt ltd)

Noida, Uttar Pradesh

All the knowledge acquired during first 3 months of 6 months training was utilized to develop IoT based solutions while being part of NicBit team.

- Developed Rest APIs for the system using nodeJS and mongoDB.
- Helped team in deciding architecture for backend of the application.
- Explored various AWS services like Cloud Directory, DynamoDB, IoT.



Career Highlights

Grasping new technical things has always been an adventure. Got hands on experience with various technologies and implemented them with the best of my abilities in short span of time.

- Developed multiple projects using golang
- In a short period of two days, learned nodeJS and developed Rest APIs with it.
- Explored Serverless architecture and ported the Rest APIs on it.



Personal Interests

- Reading Books
- Watching Movies
- Travelling



Personal Details

Father's Name: Mr. Charanjeet Sardana
Birthday: June 17, 1995
Gender: Male

Marital Status: Single
Nationality: Indian

Declaration

I, Aman, hereby declare that the information contained herein is true and correct to the best of my knowledge and belief.

Aman



Aman Sardana

Place: _____

Date: _____