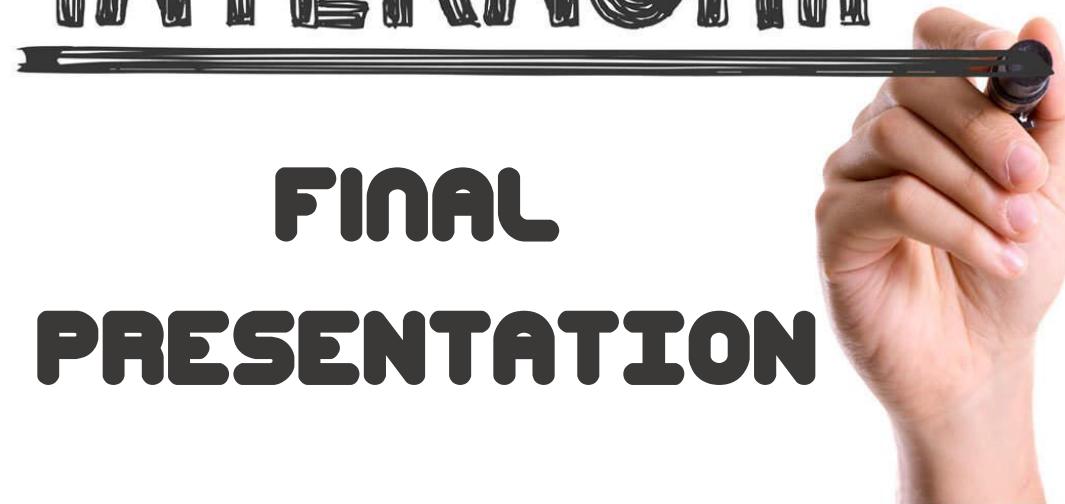


# **INTERNSHIP**

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## **FINAL PRESENTATION**



**Presented By**

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**Md. Al Adnan**  
**ASH1825008M**



**KONA Software Lab Ltd.**

Police Plaza Concord, 8th Floor, Tower - A  
Plot - 2, Road - 144, Dhaka 1212, Bangladesh  
Address: <https://konasl.com>

10/12/2022



2

# Overview

1. KONA I is Korea's leading FinTech Company that offers a total solution in the areas of payment, authentication, and security. KONA I is the mother company of KONASL
2. KONA SL established in 2012
3. KONA SL R&D Center and Global Solution Business Wing of KONA
4. The notable business solutions are NexusPay and Nagad.
5. Development areas are:
  - ✓ Smart Card
  - ✓ Digital Payment Solutions
  - ✓ Block chain as service based on Ethereum and Bitcoin.
  - ✓ Secure element based on IoT Security

## About KONASL

Kona Software Lab Ltd. marks its 10th year in Bangladesh as R&D Center and Global Solution Business Wing of KONA which has over 20 years of dominant international presence. Globally, KONA serves 500 customers in 90 countries (ranks among top 4 banking card manufacturers).In Bangladesh, KONA serves more than 30 banks and owns 50% card market share.

# Renowned Clients of the Company

- ✓ Nagad
- ✓ Nexuspay
- ✓ Merchantile
- ✓ Bank Finnovation
- ✓ Kona Card
- ✓ DBBL
- ✓ City Bank
- ✓ EBL
- ✓ IFIC Bank
- ✓ EXIM Bank
- ✓ Trust Bank
- ✓ Jamuna  
Bank



# Rules And Regulations

- Office Hour 9am-6pm
- Need to add Clokify-Entry
- Employee Verification punch



# HR Policies

- ❖ Leave and Time-Off Benefits
- ❖ Safety and Health
- ❖ Finding Talent
- ❖ Employee Data Security
- ❖ Filling High-Tech Positions
- ❖ Telecommuting



# KONASL



Competitive salary



Two annual festival bonuses



Life Health Maternity and OPD  
Insurance



Lakeside office on fun filled prime  
location Police Plaza



Breakfast Lunch and snacks at office



Transport facilities



Monthly team outing allowance



Breakfast Lunch and snacks at office



Transport facilities



Monthly team outing allowance

# Company Hierarchy



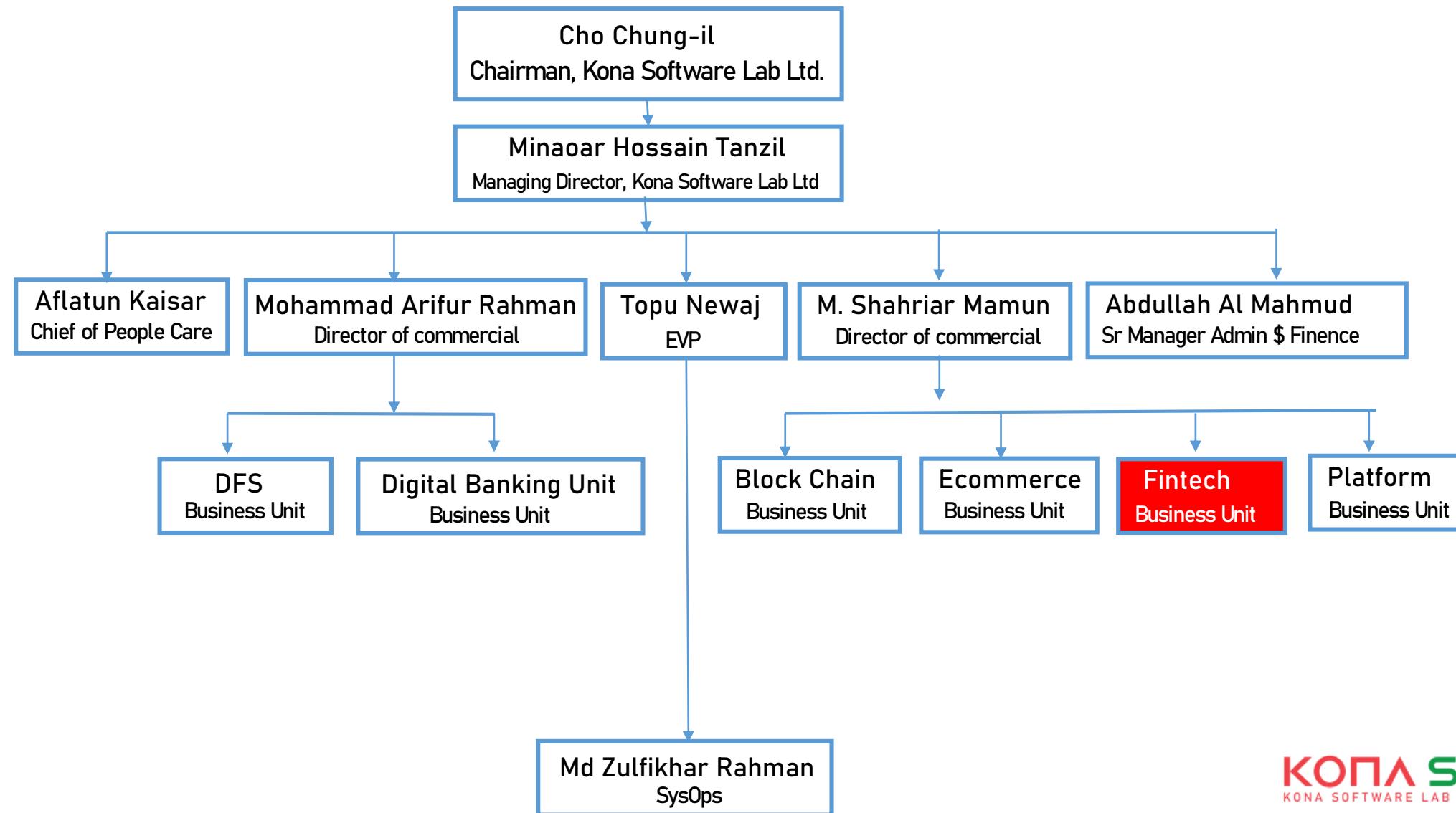
**Cho Chung-il**  
Chairman, Kona Software Lab Ltd.

**Minaoar Hossain Tanzil**  
Managing Director, Kona Software Lab Ltd

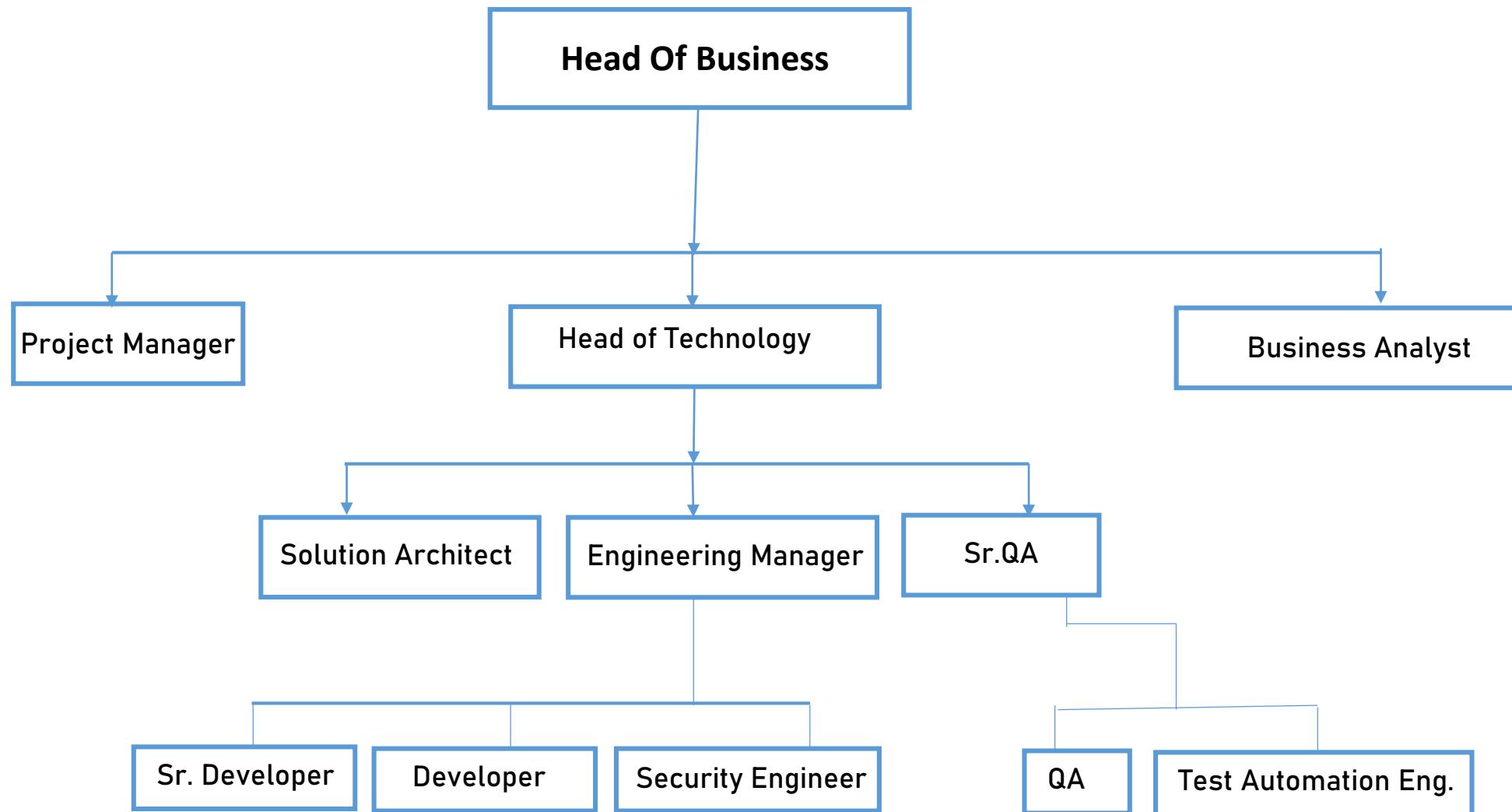


**Topu Newaj**  
EVP- Kona Software Lab Ltd

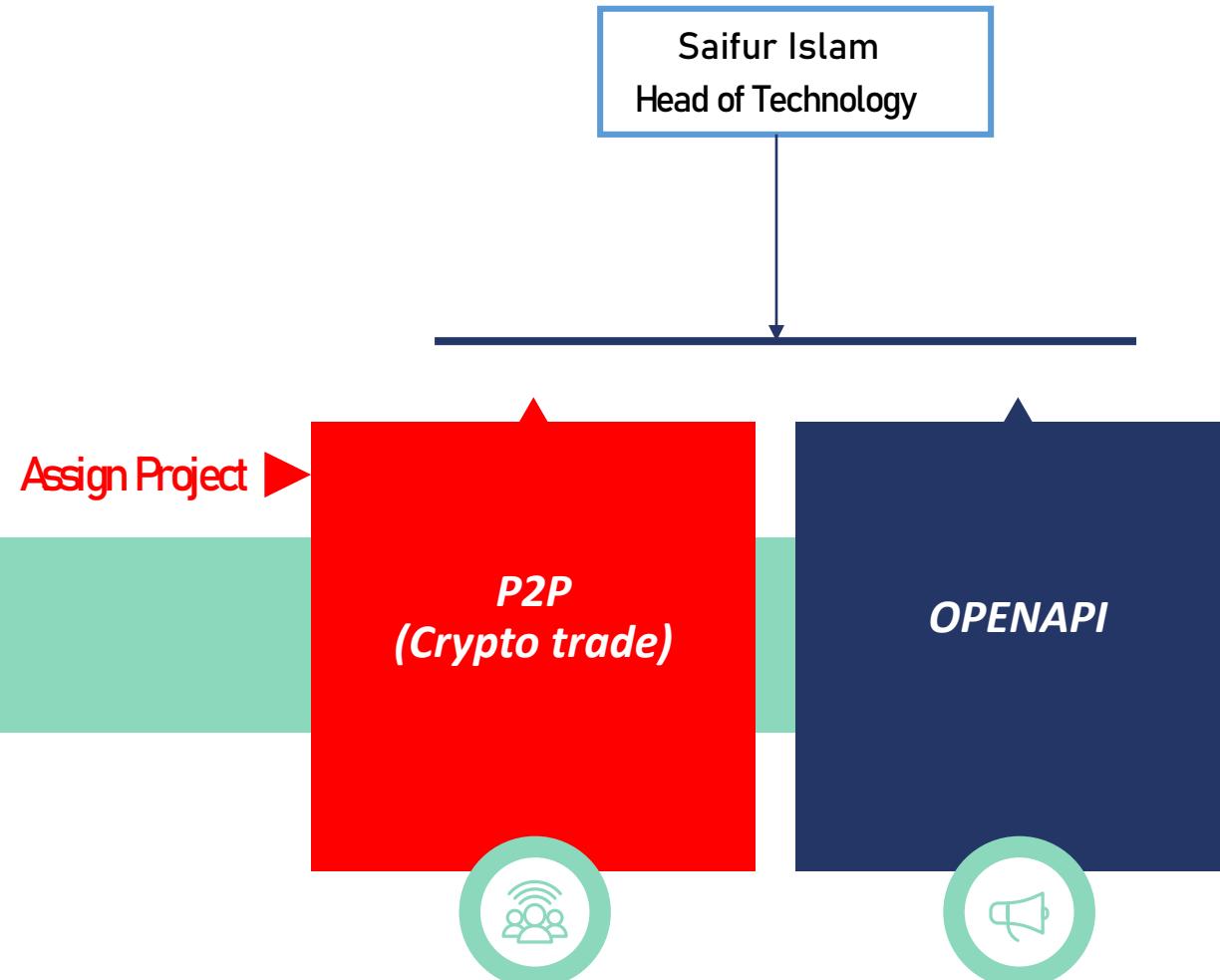
# Kona Software Lab Ltd. Organization With Business Unit



# Business Unit Structure



# Fintech Business Unit



# P2P(Crypto-Trade)



**Shahidul Islam**  
( Project Supervisor )

**Engineering Manager- KONASL**  
**Lead- P2P Kona Trading System**

# Assign Project

**Project Name - Kona Treading System(Cryptrade) – P2P**

**Backend- Block Chain, Spring boot**

**Database- MongoDB, Postgres, Hexlant**

**Frontend- React,JS**

**Automation – Selenium , Chrome dev tools**

**IDE – Intelij Idea, VSCode ,Postman, Jmeter, Gitlab**

# P2P(Cryptrade)

**Project Description :** Cryptrade is an online exchange platform where users can trade cryptocurrencies. It supports the most popular cryptocurrencies, such as bitcoin and ethereum. Cryptrade provides a crypto wallet for traders to store their funds. Like other crypto exchanges, Cryptrade offers services like trading, sending coins, and receiving coins. Cryptrade has its own block chain-based token in its development phase, Kona coin.

**You job description (role):** Software Automation Engineer.

# My responsibilities

- ✓ My daily activities was to improve automation added new automation field as per as developer needed
  - ✓ Writing code for new feature and existing feature so than developer and SQA team can save their time.
  - ✓ Develop three version of automation testing tool.
1. (General)First of all write Selenium (TestNg) code for running our code in happy path than refactor the code.
  2. (Excel Based)Secondly work with excel sheet automation where sheet are used to perform automation testing.
  3. (Dynamic)Thirdly fully backend project where automation is run by calling api (using postman).

Input: Excel File

Processing Steps: Data aggregator->Build Test Param-> Convert to Object-> Action Processor -> Test Results

Output: Test Results

Here I also worked for load testing and report generating

# Load Testing in P2P Project

**Tools:** JMeter 5.5

**Techniques :** API chaining

Some API

➤ /api/trade/history

/api/trade/recent

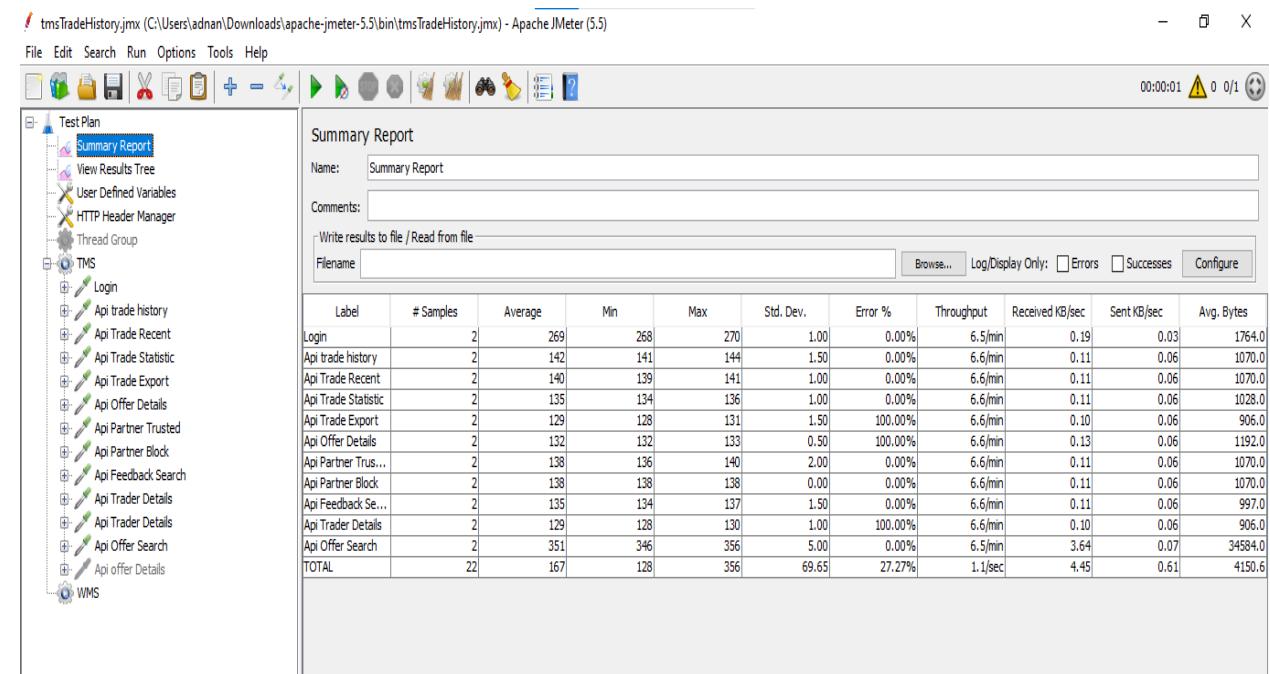
/api/trade/statistic

/api/trade/export

/api/offer/detail

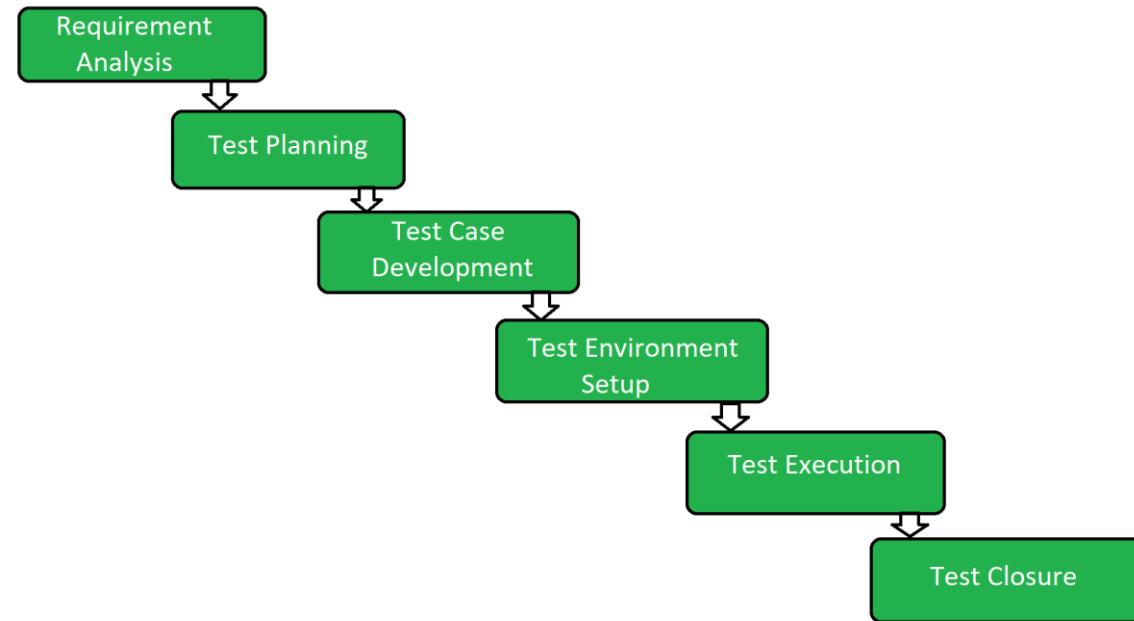
/api/partner/trusted

etc..



<https://github.com/aladnansami/API-Load-Test-For-Konasl-Project/blob/main/tmsTradeHistory.jmx>

# STLC phases I have follow in P2P Project



# Communicate and Team Works

- ✓ Everyday scrum meeting at 9:15 am
- ✓ Every Two weeks after sprint planning meeting
- ✓ Any Times Discussion
- ✓ Checking and Updating about the progress.
- ✓ Contacting directly or messaging through Slack
- ✓ Checking the deadline in monthly progress meeting

# Technical Challenges

- ✓ New Framework Learning(Like Spring boot, selenium)
- ✓ Maintaining large codebase.
- ✓ Structured Coding
- ✓ Coding without dependency

# Direct impact/knowledge of the courses

1. Introduction to Software Engineering
2. Object Oriented Concepts 1
3. Object Oriented Concepts 2
4. Web Technology
5. Design Pattern
6. Software Testing and Quality Assurance
7. Software Design and Architecture

# What I have learnt

- Automation Testing In Selenium
- Spring Boot( JPA, JDBC, annotations, etc)
- Jira Task Management
- Log status read
- JMETER
- Postman
- React Basic
- Allure Report
- Website automation in different ways
- GitHub
- GitLab

# What new contents could be applied in our syllabus?

- Block Chain
- Automation Testing(Lab)

# What professional attitude I love in my company

- Monthly outing for refreshment
- Well Structured hierarchy.
- Unlimited Foods.
- Flexible Working hours.
- Helpful co-workers.
- Knowledge Sharing Sessions Every day

# KONASL JOURNEY

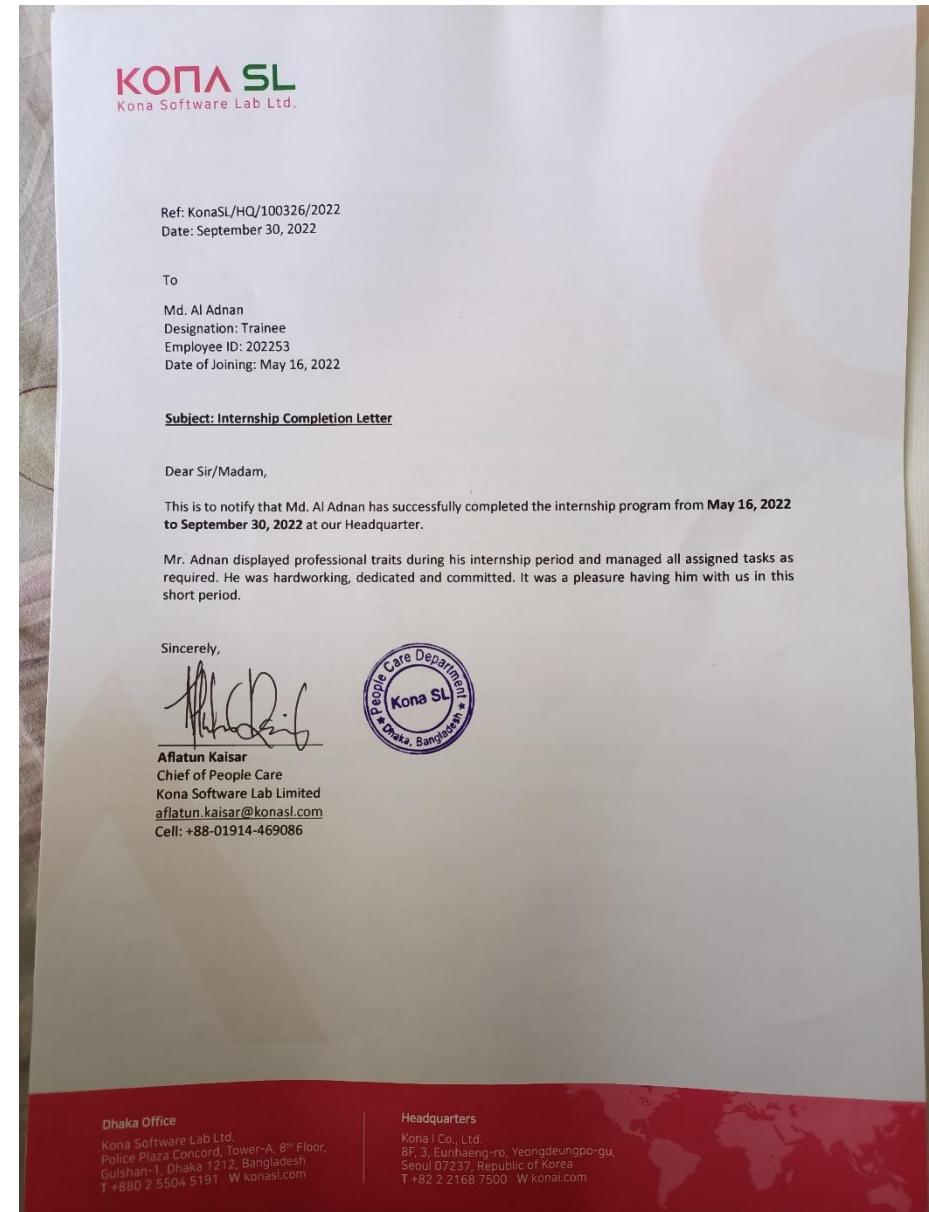
Starting : 16-05-2022

Ending : 30-09-2022

Position: Software Engineer (Intern)

Business Unit: Fintech

Project: P2P



# Office Environment



# Challenges I have faced in new place

- ✓ Transportation
- ✓ Food
- ✓ Meeting new colleagues
- ✓ Fitting into the company culture
- ✓ Maintaining work-life balance
- ✓ Arrive early every day



# What new skill I have learnt

- Automation Testing In Selenium
- Spring Boot
- MongoDB
- Jira Task Management
- Log status read
- JMeter(Load Test)
- React Basic
- Allure Report

## **Self Judgment about KONASL**

Actually 4.5 months internship journey with KONASL was beyond my expectations.  
It is one of the best company in Bangladesh .

- Friendly Work Environment.
- Respect Employs emotion

## Self Judgment about ME

I have performed up to the mark as company expected when they hired me for the internship. I had always tried to maintain the deadline of the tasks that were given to me and tried to provide best possible outcomes. Higher authority of the company and my supervisor was satisfied.

thank you!