

# Md Sahadat Hossain

## Automotive software and connectivity test engineer

Result-oriented Test Engineer with hands-on experience in tackling projects and accomplishing goals where my passion, experience & capabilities are utilized to the maximum extent while contributing to the company's growth.



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## EXPERIENCE

### Connectivity & Infotainment Test Engineer AnD Convergence

March 2023 - Current

Seoul, South Korea

Project : Audi C2X Connectivity Testing

Client : Volkswagen Group

#### Achievements/Tasks

- Dealt with automotive in-vehicle infotainment Software, Verification, and Validation.
- Performed app and connectivity testing on features such as Esim, MQTT, CoreService, Wlan, Ecall/Bcall
- Involved in testing infotainment features such as Phones, Bluetooth, AndroidAuto, AppleCarPlay, and Multimedia.
- Experience Testing Bluetooth profiles like HFP, A2DP, AVRCP, PBAP, and MAP.
- Remote services such as Remote vehicle tracking(RVT), Remote vehicle status(RVS), Car finder, and Alert services testing.
- Perform phone projection testing with infotainment systems such as Android Auto and Car Play.
- Software flashing and updates for different automotive hardware.
- Report bugs using defect tracking tools like KPM.

### Telematics Test Engineer

#### Umlaut

January 2022 - December 2022

Seoul, South Korea

Project : Ford Global Connectivity Testing

Client : Ford Motor Company

#### Achievements/Tasks

- Performed E2E connectivity and Fordpass app testing. (with over **4000+ Test cases**, multiple vehicle lines)
- Set up different types of test benches, flashing, and updating automotive hardware(SYNC, ECG, and TCU) with different software sets.
- Conducted full DV and Smoke tests on test benches and vehicles.
- Used diagnostic and logging tools such as Diagnostic Engineering Tool (DET), CANalyzer, VehicleSpy, WinScp, ULT, and Charles to find defects and collect logs.
- Performed infotainment & telematics testing including Map, device connectivity, Bluetooth, Android Auto, Apple CarPlay, and Multimedia.
- Made documentation for the execution of test cases together with relevant log files and necessary evidence for JIRA ticket creation. After fixing defects, reproduce and verify fixed issues.
- Created & updated test cases based on connectivity specifications.

# Measurement Test Engineer

## Vision PS GmbH

February 2021- December 2021

Seoul, South Korea

**Project : Network Benchmark Testing & 5G Wavelength Performance Testing**

**Client : Umlaut**

### Achievements/Tasks

- Collected large amounts of voice & data samples using TEMS Paragon 5 from the latest Android phones.
- Reporting, Tracking, and Planning daily to management regarding activity acquisition.
- Responsible for the complete setup of the cars and hardware including Antennas.
- Provided first-level troubleshooting support.
- Performed all kinds of testing such as UAT, Mobility in different cities in South Korea.

## SKILLS

Testing Methodologies	Agile & Scrum
Programming Language	Java, Python, C
Automated Testing Tools	Selenium (Basic)
Bug Tracking Tools	KPM, Codebeamer, JIRA and TestRail
Automotive tools	Offboard Diagnosis Information System(ODIS),CPtool, iDex, Diagnostic Engineering Tool(DET), Vehicle Spy, CANalyzer
Automotive communication protocols	CAN, LIN & Ethernet
Logging tools	ESOtrace, ULT, WinScp, Charles log, Putty
App Development	Android Studio, Firebase
Operating System	Windows, Linux, MacOS
Documentation	Microsoft Office (Excel, Word, Powerpoint)
Language	Bangla(Native), English(Full Professional Proficiency), Hindi(Basic), Korean(Basic)

## EDUCATION

### Sejong university

**BEng. in Computer Science and Engineering**

Seoul, South Korea

- Graduated with 91.3% (CGPA 3.73)
- Sejong University International Scholarship
- **Courseworks:** Data Structure & Algorithm, Computer Architecture, Software Engineering, Web & Mobile Programming, Artificial Intelligence, Human-Computer Interaction

## Certification

- Diploma in Software Testing | **Alison 2022**
- Mastering CAN Network: Vector CANoe, CANalyzer, CAPL& Theory | **Udemy 2022**
- Selenium Fundamentals | **Alison 2022**
- Advanced App development | **Udacity 2020**
- Agile Project Management with Jira | **Linkedin 2022**

## Volunteering activity

**Bangladeshi Student's Association in Korea**

**Executive Member     January 2019 - September 2021**

- Represented Bangladeshi Students' Association in various international events
- Organized events and seminars