Karan Mali

Team Lead IoT

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Pune

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An IoT professional who is capable of delivering efficient industry-ready solutions that effectively contributes to the growth of the organization and provides self-satisfaction.

WORK EXPERIENCE

Team Lead IoT
Navidium PLC

03/2021 - Present — *Pune*

Working on a wide range of new innovative IoT solutions for the maritime industry.

Scaled NDC Project to over 25 vessels.

- Working with a team of 7 people to scale up the **NDC** project to multiple clients.
- Working with different teams to deliver the required solution for the **onboard analytics** project.
- Managed hardware and software requirements for edge computing projects.

IoT Product Engineer
Navidium PLC

03/2019 - 03/2021

Build & deliver solutions for NDC project.

- Successfully delivered real-time applications for **NDC**.
- Worked on telemetry sensors and industrial communication protocols like **Modbus, TCP, UDP, MQTT, Web API, SSL**.
- Delivered **NDC-DCEP** Project (NDC Distributed Clustered Edge Platform).

EDUCATION

PG-Diploma in Internet of Things
CDAC-ACTS, Pune

08/2018 - 02/2019 — *80 %*

B.E. in Electronics & Telecommunications
Bharti Vidyapeeth's COE, Lavale, Pune

08/2014 - 05/2018 — *70 %*

HSC
Burhanpur Public School, Burhanpur

2013 - 2014 — *78%*

SSC
Shree Guru Tegh Bahadur Academy , Ratlam

2010 - 2011 — *72%*

SKILLS

OS: Linux, Windows | Docker

Database: Influxdb, Mongodb, SQL

ESP32, LoRAWAN, Arm/AMD hardware.

Dashboards & Alerts: Chronograf, Grafana

Script Language: Python, Lua, Rust | Git/Bitbucket

Protocols: MQTT, Modbus, TCP, UDP, webAPI, SSL/TLS

PROJECTS

Navidium Data Collector. (NDC) (06/2019 - Present)

- The projects target is to create an easily configurable rapidly deployable solution in order to collect ship's telemetry data to be used in ship operation monitoring and optimization.

Drone Based Real-Time Vessel Inspection Application (DreTiVIA) (12/2018 - 02/2019)

- Application for the vessel, which is designed to view streamed data captured through drone, detect, store and analyze anomalies of the vessel as images and send the report to shore end.

DAS for Predictive maintenance of powertrain system (01/2018 - 03/2018)

- In this project, we developed a Data Acquisition System where users can acquire and log the power train's data and then that data will be used for further analyzing and apply predictive model on it.

ACHIEVEMENTS

President of Bharati Electronics & Telecommunication Association (BETA) in BE. (05/2017 - 05/2018)

Internship at Realty Automation And Security Systems Pvt. Ltd. (RASS) in 2017.

Winner of Dance Competition in Arambha-2016 in College.

INTERESTS

Dance | Movies | Swimming & Skipping