NIRANJAN MAGARE

SOFTWARE ENGINEER

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Pune, India

SUMMARY

- Experienced NodeJS developer with 3.9+ years of expertise, adept at collaborative teamwork and solution-driven approaches. Skilled in crafting robust, scalable web applications, with a strong focus on problem-solving.
- Proficient in all phases of Software Development Life Cycle, emphasizing design, development, and implementation.
- Specialized in Home Automation, managing devices (Shades, Music, Light, HVAC, Sensors) using diverse protocols like Socket.io, TCP, UDP, REST API, and MQTT.

EXPERIENCE

NETWORK COMPONENTS PVT LTD – PUNE   12/2019 – present

Junior Software Engineer

Developed IoT hub and drivers for diverse devices including lights, shades, music systems, HVAC, etc. Implemented compatibility with various communication protocols for seamless device control.

PROJECTS

CLOUZER (CLOUD ORGANIZER)   01/2022 – present

Network Components Pvt Ltd

Skills – Node.js, JavaScript, Docker, MQTT, Hapi.js, Express.js, Nginx, ShellScript

Client – Self Product

Synopsis – A SaaS based System with microservice architecture for controlling IOT devices and managing personal data on cloud.

Roles –

- Involved in requirement analysis, database design, coding and implementation of application.
- Implementation of Database API's for Internal Database Communication using MQTT.
- Implementation of MQTT API's and Rest API's for Internal, External and Cloud Applications.
- Implementation of Docker containers for device drivers to control IOT devices different protocols like REST API, MQTT, UDP, TCP, etc.
- End to End Testing with different Test Scenarios using mocha.
- Delegating the work to the team members on a priority basis and based on the skill set.

DARWIN (HOME AUTOMATION)   12/2019 – 12/2021

Network Components Pvt Ltd

Skills – Node.js, JavaScript, Hapi.js, LokiJS(DB), MongoDB, Nginx, Shell Script

Client – DELOS WELLNESS.

Synopsis – Its IOE Home Automation System. Control Lights, Music, Shade, Hvac, Sensors through Application.

Roles –

- Involved in requirement analysis, database design, coding and implementation of application.
- Implementation of Database API for application using lokijs(db).
- Implementation of Socket.Io for Interaction with External Applications And Cloud.
- Implementation of Communication between Smart Devices through respective communication protocols like REST API, MQTT, UDP, TCP, etc.
- Implementation of database CRUD operations REST API's at server side for sensor data using NodeJs and MongoDB.
- Implementation of shell script for system level application.
- Delegating the work to the team members on a priority basis and based on the skill set.
- End to End Testing with different Test Scenarios using mocha.
- Created design documents (Sequence Diagrams & flowchart) using draw.io.

EDUCATION

2018 – 2020	**MES ABASAHEB GARWARE COLLEGE**	Master's Degree Computer Science	**GPA 7.6**
2015 – 2018	**MES ABASAHEB GARWARE COLLEGE**	Bachelor's Degree Computer Science	**56%**

SKILLS

- Javascript
- Node.js
- Hapi.js
- Express.js
- Socket.io
- MQTT
- Loki.js
- MongoDB
- Docker
- GIT
- Nginx
- Shell Scripting
- Home Automation
- Sonarqube
- Mocha