Niranjan Shashikant Magare
<u>Software Engineer</u>

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Location: Pune, Maharashtra

<u>SUMMARY</u>

- With 3.10+ years of experience as a Node.js developer, I excel in collaborative teamwork and solution-driven approaches. My expertise lies in crafting robust, scalable web applications, with a strong emphasis on problem-solving.
- I am proficient across all phases of the Software Development Life Cycle, with a particular focus on design, development, and implementation.
- Furthermore, I specialize in Home Automation, adept at managing various smart devices (Shades, Music, Light, HVAC, Sensors) using a wide range of protocols including TCP, UDP, HTTP, TLS, MQTT and Websocket.

<u>EXPERIENCE</u>

Network Components Pvt Ltd, Pune   **From Dec 2019 - Present**

- I conceived and engineered a Centralized System known as 'Hub' from its inception, assuming responsibility for the management of REST API requests, MQTT requests originating from user interfaces, IoT device control drivers, and database operations.
- I also designed and developed a variety of drivers to facilitate control of diverse IoT devices utilizing various communication protocols.
- In addition to my technical contributions, I have provided mentorship to a team of four junior professionals.

<u>PROJECTS</u>

Network Components Pvt Ltd, Pune

Title	**CLOUZER (CLOUD ORGANIZER)**
Skills	Node.js, Javascript, Hapi.js, Express.js, MQTT, MongoDB, Docker, Nginx, Shell Scripting
Client	Self Product (Network Components Pvt Ltd, Pune)
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 CRUD operations API using MQTT and Node.js. • Implementation of docker containers for communication between smart devices drivers through respective communication protocols like REST API, MQTT, UDP, TCP, etc. • 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.

Title	**Wellpremier (Home Automation)**
Skills	Node.js, Javascript, Hapi.js, Loki.js (DB), MQTT, MongoDB, Nginx, Shell Scripting
Client	Delos Wellness

Synopsis	Its IOE Home Automation System. Control Lights, Music, Shade, Hvac, Sensors through Application. Integration with third party Home Automation systems like Crestron, Lutron, Control4, Savant, etc.
Roles	- Involved in requirement analysis, database design, coding and implementation of application. - Implementation of Database API for application using lokijs(db) & Node.js. - Implementation of database CRUD operations REST API at server side for sensor data using Node.js and MongoDB. - Implementation of Communication between Smart Devices through respective communication protocols like REST API, MQTT, UDP, TCP, etc. - 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.

Title	**Welltech (Home Automation)**
Skills	Node.js, Javascript, Hapi.js, Loki.js (DB), MQTT, Nginx, Shell Scripting
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 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.

ACADEMICS

MES Abasaheb garware College	Master's of Computer Science	CGPA 7.6	2018 - 2020
MES Abasaheb garware College	Bachelor's of Computer Science	56%	2015 - 2018

TECHNICAL SKILLS

Languages:	Node.js, Javascript, Shell Scripting, Typescript
IDE's:	VS Code, Eclipse.
Web Services:	REST API, MQTT, Socket.io
Database:	LokiJS, MongoDB
OS:	Linux, Mac, Windows
Testing tools:	Mocha, Chai, Jest
Other Skills:	Git, JSON, Postman, MQTT Box, APIDoc, Mongoose, Docker, HTML, CSS, JQuery, Jenkins

PERSONAL DOSSIERS

Date of Birth:	23rd may 1997
Gender:	Male
Marital:	Unmarried
Address:	Vimal Nagar, Taloda, Nandurbar

DECLARATION

I hereby declare that the above written particulars are true to the best of my knowledge and belief.