


# Edison Devadoss. J

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## Summary

- **5 Years** and of experience in developing applications and capable of meeting the project goals within the time constraints
- Knowledge in Linux Platform, that involves Design and Development using **NodeJS**, **Frontend** and **Mobile app developments**
- Experience in developing enterprise applications and experience in Client-Server, Web-based using technologies like **ReactJS** and expert in back end scripting using **NodeJS**
- Experience in developing **cross-platform mobile apps** using **React Native**
- Highly responsible to take up activities and finish the activities within the committed time

## Technical Skills

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<b>Languages</b>	: Javascript, Unix shell scripting
<b>Web Frameworks</b>	: (NodeJS) Fastify, ExpressJS, NestJS
<b>Web Technologies</b>	: HTML5, CSS, Bootstrap
<b>JavaScript frameworks</b>	: ReactJS

<b>Testing tools</b>	: Mocha and Chai
<b>Web Servers</b>	: Nginx
<b>Deployment</b>	: Heroku, AWS Web services, Firebase
<b>Databases</b>	: PostgreSQL, Mysql, TimescaleDB, MongoDB, Redis, Firebase
<b>Mobile Dev Frameworks</b>	: React Native
<b>Mobile OS</b>	: Android & iOS
<b>Analytic tools</b>	: ELK Stack(Elasticsearch, Logstash, Kibana), TIG stack(Telegraf, InfluxDB, Grafana)
<b>Event Streaming</b>	: Kafka
<b>Version Control</b>	: Git

## Project experience

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### Water Management

An IoT-based web portal where it monitors the water consumption in each industrial unit and collects charges from industries based on consumption. It aims to intelligently monitor the consumption of water as well as wastage through smart water meters such as Ultrasonic Flow Meter and Ultrasonic Level Transmitters via the Web Portal.

**Technology** : NodeJS, Postgresql, Typescript, Grafana, InfluxDB, Redis.

**Role** : Developer

In this project, I was involved in architectural design and estimations and DB design and development. As a developer, I worked on the server-side. I created this server application from scratch and exposed APIs for front-end applications and for the LoRaWAN gateway to communicate with. In this project, I used SSE (server send events) for immediate alerts, Redis for Pub/Sub method and Typescript for strong typing.

## ChiefNet - Web

ChiefNET is a Network orchestration platform. This web application provides user management, device management, device monitoring for SD-WAN devices.

**Technology** : NodeJS, Postgresql, Web socket, Redis, Kafka, Typescript, Mocha and Chai.

**Role** : Developer

In this project as a developer, I worked on the server-side. I created this server application from scratch and exposed APIs for device and front-end applications to communicate with. In this project, I used Redis for an in-memory database, Kafka for event streaming, Typescript for strong typing, mocha and chai for writing developer test cases.

## Textbook Corporation

This application is for tracking the status of school book distributions to government schools. The government provides a tender to printers (vendors) to print the books, and the printer is responsible for delivering the books to the District Education Office. Each district officer has a mobile application; once the district officer receives a book, they will update the delivery status and quality of the books. The Textbook Corporation Headquarters has a web application to track the delivery status and ensure the quality of the books.

**Technology** : Nodejs, Nestjs, Postgresql, Prisma, Minio, Angular, Flutter.

**Role** : TechLead, Developer

- In this project, I was involved in architectural design and estimations and DB design and discussion with clients.
- I was involved in backend application development and exposed APIs for client applications.
- As a senior developer, I reviewed other developer's code.

## **Mavro**

SAP integrated web application. This application sync with the SAP portal using the RFC protocol. Using a web application users can place orders with payment options and maintain product details.

**Technology** : NodeJS, Fastify, Typescript, PostgreSQL, Razorpay, Node-RFC.

**Role** : Developer

In this project as a backend developer, I worked on the serve-side. I exposed APIs for front-end applications and used the Node-RFC protocol to sync data with the SAP portal. Integrated with payment Razorpay payment gateway. In this project, I was involved in production support.

## **Yourfarm**

This application is a chatbot application for farmers. In this application, the farmers will communicate the problems regarding tier cattle to the chatbot through WhatsApp and get the solution. There is a mobile application for the admin. They can provide solutions if the chatbot solution doesn't work.

**Technology** : NodeJS, Postgresql.

**Role** : Developer

In this project, I was involved in architectural design and estimations and DB design and discussion with clients. As a senior developer, I reviewed other developer's code.

## **Mettex**

This is a quotation generation, entry and billing application. We developed this application for a Lab.

**Technology** : NodeJS, Postgresql.

**Role** : Developer

In this application, I developed Sign-in and Signup features along with JWT Token. JWT token has an expiration time and implemented that feature also. In this project I as a senior developer I

reviewed Junior developers codes.

## Interops

This application is for managing and configuring Internet routes. We can keep track of the flows between the various switches and their statistics.

**Technology** : NodeJS, Postgresql.

**Role** : Developer

In this project, I was involved in architectural design and estimations and DB design and development. I created this application from scratch. I took all responsibility for server-side development and deployment.

## ACS

This app helps the user to register a course and settle payment for selected courses. There are two types of users. One is a superuser and another one is a user. Superusers can create courses and manage all things. Users can select the course and make the registration with payment. We have provided payment options using Razorpay.

**Technology** : NodeJS, Postgresql, ReactJS, React Native.

**Role** : Developer

In this application, I worked on server-side development. I was involved in architectural design and estimation and database design and development. I took all responsibility for server-side development. In this project, I implemented the Razorpay payment method and tracked all the payment statuses using webhooks.

## Splash Script

Splash script is a web application. It is a task management application. It works like a timesheet for a company's employees.

**Technology** : Node, Postgresql

**Role** : Developer

In this application, I worked on server-side development. I was involved in architectural design and estimations and development. I created this application from scratch. In this application, I used nodemailer to send alert mail to users.

## **Courselabz**

This is a mobile application(Android, iOS). There are two kinds of users in this application (Instructor, Student). Instructors can create courses and monitor all operations. Students can join the course and once the Instructor starts attendance, the user can mark their attendance. This application has chat options using which users can chat with their course members.

**Technology** : React Native, Firebase

**Role** : Developer

In this application, I worked on mobile application development. In this application, I developed most of the modules. Especially in Attendance, Calendar and Chat modules.

## **Remsys IoT visualization**

This is a device monitoring application. This application using google maps show the device locations. Each device gives various types of data using that data we are showing various types of charts.

**Technology** : ReactJS

**Role** : Developer

In this application, I worked as a web application developer. I implemented various kinds of charts for data presentations and worked on some more modules.

## City Wits

It is a mobile application that shows various shops within their network radius. There are two types of users (Business, Individual). Business users can create their shop and their product. Individual users can see their shop and rate products.

**Technology** : React Native

**Role** : Developer

I worked on this project as a mobile application developer. I implemented UI designs and various modules in this project. Especially in Masonry views of their products.

## Phocos

The Phocos is a Bluetooth IoT application. Communicate with IoT devices and show various charts.

**Technology** : React Native

**Role** : Developer

I worked on this project as a mobile application developer. I worked on this project from scratch. I implemented application communication with a Bluetooth device. And perform read and write operations over the BLE device. And showed various charts for presentations.

## Education

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- BCA - Bachelor of Computer Application  
Manonmaniam Sundaranar University Tirunelveli – India 2017 – 2019
- Diploma Computer Engineering  
IRT Polytechnic College Tirunelveli – India 2013 – 2015
- Higher Secondary School  
C.M.S David Memorial Higher Secondary School Tirunelveli – India 2011 – 2013

## Awards

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- Received “**Attitude and hard work**” award at Coding Town India.

## Work Experience

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**CodingTown India Pvt Ltd, Coimbatore – India**      **September 2017 – December 2020**

**Yavar Techworks, Coimbatore – India**      **December 2020 – Till date**

### Software Engineer - Trainee

Gone through Training in HTML, CSS, JavaScript, Typescript, ReactJS, React Native for Mobil application, Firebase, Database Management, etc.

### Software Engineer

#### **Responsibilities:**

- Experience in developing web applications with **ReactJS**.
- Experience in developing Mobile applications with **React Native** backed by REST APIs and Firebase storage.
- Experience with HTML, JavaScript, CSS and web 2.0 technologies.
- Experience in Payment gateway integration with **Razorpay**.
- Experience in **Google map, Openstreet map** and various **charts** integration.
- Experience in Mobile applications with **BLE devices(IoT)** and **React Native**.
- Experience in Chat applications with **React Native** and **Firebase**.
- Actively involved in software engineering practices including coding standards, source control management and testing.
- Familiar with relational databases, preferably PostgreSQL.
- Understanding of web services technologies such as **HTTP, and REST**.
- Experience in developing backend applications with the following technologies: **NodeJS, PostgreSQL, Fastify, ExpressJS, and Fastify**.
- Experience in ORM with **OpenRecord**.
- Experience in deploying applications on **AWS instance, Heroku** and **Firebase**.

### Senior Software Engineer



## Responsibilities:

- Developed web application in Agile development methodology using NodeJS, ReactJS, and React Native.
- Experience in developing backend applications with NodeJS and **LDAP**.
- Experience in developing backend applications with **Websocket and Kafka**.
- Coded backend Node application with **Typescript**.
- Experience in writing Unit test cases for backend applications with **Mocha and Chai**.
- Understanding the Analytical tools such as **ELK Stack**(Elasticsearch, Logstash, Kibana) and **TIG Stack**(Telegraf, InfluxDB, Grafana).
- Worked with Email delivery systems like **Sendgrid** and **Nodemailer**.
- Developed an application with Alert notifications.
- Experience in **the in-memory** database with **Redis**.
- Experience in Time series database with **InfluxDB**.
- Experience in ETL script with **InfluxDB** and NodeJS.
- Handled background tasks using UNIX CRON jobs and NodeJS.
- Experience in backend applications with **Sequelize** ORM.
- Experience in web application deployment with Reverse Proxy configuration using NGINX.
- Understanding **TimescaleDB** for handling Time series data.
- Involved in Requirement gathering, Application architecture design and Estimations.
- Doing Code Reviews to ensure that the quality and effectiveness of the applications are maintained.