

# Manikandan C

Blockchain Developer

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## Objective:

Utilizing my skills and abilities in a company that offers professional growth and new avenues for learning while being resourceful, innovative and flexible. I aspire to see my personal skills and professional qualities to contribute positively to the organization's success and its holistic improvement.

## Career Summary:

- **6+** years of extensive experience with Blockchain & Microsoft Technologies in IT industry.
- Expertise working in roles such as a Blockchain Developer in distributed industry sectors and verticals.
- Experience on Blockchain platforms like **Ethereum, Hyperledger, Quorum** etc.
- Proficiency in languages like **Solidity, Node js, Angular JS, MongoDB**, chaincode, ERC20 & ERC223 Token implementation, remix, IPFS, JQuery, Javascript, HTML5, and CSS3.
- Experienced with Microsoft Azure, Azure machine learning, Amazon alexa, Power BI and MS SharePoint.
- Developed applications using Ethereum, hyperledger for different use cases. Familiarity with P2P networks and consensus algorithms.
- Expertise working in roles such as a SharePoint Developer in distributed industry sectors and verticals.
- Experience with full life cycle application development, which has included requirements gathering, analysis, conceptual design, configuration, coding, development, testing, and deployment.
- Team player with leadership qualities, strong communication, analytical and logical problem-solving skills.
- Interacting with clients, analyzing their business requirements and providing support extensively.

**Industry Experience:**

- Currently working as Associate for **Ernst & Young(EY)** from Apr 2016 - Till Date.
- Worked as Software Development Engineer for **HTC** Global Services from Dec 2012 – March 2016.
- Worked as Trainee for HTC Global Services from May 2012 – Dec 2012.

**Technical Skills:**

<b>Web Technologies</b>	: Node JS, AngularJS, Web3 JS, JQuery, C#, JavaScript, CSS, HTML, Power BI, Microsoft Azure, Amazon Alexa, ASP.Net
<b>Blockchain Platform</b>	: Ethereum, Hyperledger, Quorum
<b>IDE</b>	: Remix, Microsoft Visual Studio 2017/2013 with .Net Framework 4.5/4.0/3.5, VS Code
<b>Database</b>	: Microsoft SQL Server 2008 R2/2012, MongoDB
<b>Version Control</b>	: Team Foundation Server, GitHub

**Educational Profile:**

Completed B.E., (Computer Science and Engineering) in 2011 from E.G.S.P.Engineering.College, Nagapattinam (Affiliated to Anna University, Chennai.).

**Project Details:**

<b>#1</b>	<b>Project Title</b>	:	<b>Kuwait finance house(KFH) bank charity</b>
	Designation	:	Blockchain Developer
	Technology	:	Ethereum, Node js, AngularJS, MongoDB
	Platform	:	Ethereum POA

**Project Description:**

The scope of the project is to manage the donation that are made to different charity programs by Kuwait finance house bank. It will bring organizations and individual donors have transparency in the money spent in the charity program. The Transactions are added to the blockchain providing an indelible and transparent record of the payment. Record of fund transfer is updated to all participants showing exactly the transaction source and destination. The system is updated with the progress made on the program by a trusted entity and is available to public.

### Role and Responsibilities:

- Created **ERC20 token** on ethereum blockchain
- Developed nodejs services to get data from the blockchain
- Designed & Developed **smart contract functions** and DB.
- Involved in unit testing, integration testing and deployment of the application.
- Designed framework for the project in VS 2017.
- Interaction with client frequently for better understanding and to resolve the issues in a timely manner.
- Initial design of the site with guidance from the UI design team.

<b>#2</b>	<b>Project Title</b>	<b>:</b>	<b>Asset Tracking</b>
	Designation	:	Blockchain Developer
	Technology	:	Ethereum, Node js, Angular JS, MongoDB
	Platform	:	Ethereum POW

### Project Description:

In supply chain industry, assets are a critical component of any business or organization, but tracking those assets can be one of the most time-consuming process. In the case of any business, recalling the asset or ownership identification is very challenging. Also it is impossible to identify the assets or the ownership when the assets are transferred to different business entities. This system also eliminates third party involvement and even audits. With this application, we can move assets from one entity to another and also combine multiple assets (child assets) into a single (parent) asset with an AI enabled add-on of amazon alexa which makes search easier and the system will provide you all information about your assets.

### Role and Responsibilities:

- Developed nodejs web service to get data from the blockchain
- Developed smart contract functions.
- Developed **amazon alexa lamda function**.
- Developed the asset tracker part which is the core of the project.
- Initial design of the site with guidance from the UI design team.

<b>#3</b>	<b>Project Title</b>	<b>:</b>	<b>Airlines Insurance Claim &amp; Loyalty Program</b>
	Designation	:	Blockchain Developer
	Technology	:	Ethereum, Solidity, Nodejs, Angularjs, MongoDB
	Platform	:	Ethereum POW

#### **Project Description:**

Under normal circumstances, the users do not have access/receive any feedbacks of live flight delays data and unable to make a decision for opting right insurance. When envisaged with Blockchain wallet based loyalty program, it provides a win-win for the customers as well as industry players catering to airlines, hotel and insurance. User can redeem rewards points and the insurance can be claimed for flight delay. Banking system authenticates the user through password security and face verification process before any investments or transactions are performed. Prediction analysis using azure machine learning based on historical data

#### **Role and Responsibilities:**

- Designed & Developed DB and smart contract functions.
- Developed nodejs web service to get data from the blockchain
- Developed the **azure machine learning experiment to predict the flight delay**.
- Initial design of the site with guidance from the UI design team.

<b>#4</b>	<b>Project Title</b>	<b>:</b>	<b>Remittance</b>
	Designation	:	Blockchain Developer
	Technology	:	Hyperledger, Chaincode, GO, Nodejs, Angularjs,

#### **Project Description:**

The scope of the project is to speed up and simplify the cross-border payments process, cutting out many of the traditional middlemen and making money remittance more affordable. This system provides guaranteed, real-time transactions across borders, reducing the risk of loss due to currency fluctuations. Using this system user can funds to each other directly, no one acts as an intermediary. Those in the network validating the transaction, are seeing data relating to the code of the transaction, not the personal data.

#### **Role and Responsibilities:**

- Developed smart contract functions using chaincode.
- Developed nodejs web service to get data from the blockchain
- Involved in unit testing, integration testing and deployment of the application.


<b>#5</b>	<b>Project Title</b>	<b>:</b>	<b>EY Rewards &amp; Recognition</b>
	Designation	:	Blockchain Developer
	Technology	:	Ethereum, Solidity, Nodejs, Angularjs, MongoDB
	Platform	:	Ethereum POW

#### **Project Description:**

Award is a recognition mechanism to appreciate and reward achievements of employees who have gone the extra mile to achieve goals every quarter. Rewards & Recognition voting system on Blockchain will ensure that the system is secure, tamper proof and there is complete traceability. The Transactions are added to the blockchain providing an indelible and tamper proof record for the voting system

#### **Role and Responsibilities:**

- Designed DB and smart contract functions.
- Developed nodejs web service to get data from the blockchain
- Involved in unit testing, integration testing and deployment of the application.

<b>#6</b>	<b>Project Title</b>	<b>:</b>	<b>Business integrated Planning Optimization System (BiPOS)</b>
	Client	:	 Western Digital, Malaysia
	Designation	:	Sharepoint Developer
	Technology	:	SharePoint 2010, SQL 2008 R2, SSIS

#### **Project Description:**

Business integrated Planning Optimization System (BiPOS) is a centralized KPI management system that will be used globally by Western Digital to support business planning and costing optimization. System allows user to manage KPIs of HDD (Hard Disk Drive) and HSA (Head Stack Assembly) manufacturing process. The results from this KPI will be released to use in Finance Costing System.

#### **Role and Responsibilities:**

- Created SharePoint Application pages and Web Parts to implement data retrieval and manipulation.
- Deployed Site Features and Web Parts by using SharePoint Management shell.
- Involved in unit testing, integration testing and deployment of the application
- Developed the SSIS packages for bulk data movement.

**Personal Details:**

Date of Birth : 06/08/1990  
Gender : Male  
Nationality : Indian  
Languages Known : English, Tamil, and Malayalam  
Linkedin : <https://www.linkedin.com/in/manikandan-c-4960973a/>

**Declaration:**

Hereby, I declare that the information furnished above is true to the best of my knowledge.

**Place:** India, Kochi, Kerala

**Date:**

Signature  
**(Manikandan C)**