Mohanaganapathy.S
FullStack Engineer
Email: s.mohanaganapathy@gmail.com
Mobile: +91 95900 74450

12+ years of strong experience as a Software development professional with demonstrated work experience in analysis, design, development, implementation, and maintenance in Web applications, API development, and Mobile apps development. Working as a key resource responsible for requirement and functional and technical design, development, and implementation. Experience in leading teams towards successful completion of projects. Seeking a challenging position where I can utilize my skills and knowledge to grow professionally along with the organization.

Professional Summary:

➢ Working as a Lead Consultant in Optimum InfoSystem Pvt Ltd, from 06th March 2023 to 31 May 2023.

➢ Worked as a Sr.Consultant in Infosys deputed from O2F Info Solutions pvt ltd, from 06 Jun 2022 to 20 Sep 2022.

➢ Worked as a Technical Lead in Zebra Technologies from iSol Softech Pvt Ltd, from 02 Jan 2020 to 03 Dec 2021.

➢ Worked as a Sr.Software Engineer in Zebra Technologies from Collabera Technologies Pvt Ltd, from 07 Oct 2015 to 31 Dec 2019.

➢ Worked as a Sr.Software Engineer in Motorola Solutions from Savvysoft Technologies Pvt Ltd, Chennai from 16 July 2012 to 5 Oct 2015.

➢ Worked as a Software Engineer in Mascon Global Ltd, Bangalore, from 25 Oct 2010 to 10 July 2012.

➢ Worked as a Software Engineer in AS Soft Technologies Pvt Ltd, Chennai from 21 Jan 2008 to 09 May 2009.

➢ Worked as a Software Engineer in Impulse Embedded System, Chennai from 03 July 2006 to 03 August 2007.

Job Profile:

● Industry experience in Banking and Enterprise Mobility Solutions & Software.

● Software development experience in Banking, Retail, Warehouse Management, and E-commerce business solutions.

● Full Stack Development <NodeJs, ExpressJS, React, JavaScript, Python3, SQL, Postgresql, MySQL, HTML5, CSS, PHP, JAVA, SQLite, C#.NetCore/>.

● Release Management: Handling multiple product releases to drive on time.

● Responsible for ISV (Independent Software Vendor) program and EAP of Enterprise Mobility Products, APAC.

● POC creation, Solutions Testing & Validation, and issuing the app certification to improve the business visibility.

● Account Support - Dedicated customer support on an as-needed basis.

● Developed and validated the Applications for making fit for the enterprise mobility standards from scratch with customer interactions.

● Opportunity to work with Product Engineers and program Managers and assist a team including Sales, Senior Sales Engineers, and System Integrators to implement the Zebra solutions

● Develop an understanding of relevant competitive solutions, products, and services.

● Set up and operate equipment for customer demonstrations and evaluations.

● Participate in the coordination of technical activities related to perspective accounts, partners, and/or territory.

Industry Experience:

● Designing and implementing a robust application.

● Experience in Web and Mobile Application Developments for Enterprise Solutions.

● Experience in coding for Bluetooth, BT-Printers, Smart-Card, and Fingerprint reader API's.

● Familiarity with using Barcode, BT & RFID API's.

● Facilitates the sharing of information with Partners / Customers to Identify the issues and provide resolutions.

- Ability to debug and solve problems Independently.
- Adequate to work with Internal and External Teams.
- Exp in Mobile device management server(SAP ITS mobile, SOTI) and mobile workforce management.
- Testing experience in
  - Functional testing and UI testing.
  - Experience in Enterprise solution testing and validation for Mobile computing and RFID devices.
  - Performance testing.

Technical Skills:

Programming Languages	NodeJS, JavaScript, React.Js, Python, HTML5, CSS, JSON, C#.Net, Java.
Database Knowledge	**Postgresql with Prisma ORM, MS SQL Server, SQLite, SQLCE.**
Modules Integration	RFID, Barcode, BT-Printers, BT-Beacons, and Fingerprint sensors.
Tools & Technologies	VS-code, MSVS, Jira, Android Studio, Pycharm, Keil (µV3).
Basic Knowledge	I2C Protocol, CAN, Atmel 89c51 Microcontroller.
Operating Systems	Windows XP/7/10/11, Windows Mobile/Phone, WCE, Android & Linux.

Certification:

Face Recognition Application using Python

❖ **https://www.guvi.in/verify-certificate?id=734C991bv069wW6251**

React Certification

❖ **courses.namastedev.com/learn/certificate/8005915-142240**

Academic Qualification:

➢ **M.Sc Electronic Science** (2004-2006) from Dr.M.G.R. Educational & Research Institute with **First Class (**CGPA ~ 7.87) aggregate.
➢ **B.Sc Electronic Science** (2001-2004) from A.V.C. College, Bharathidasan University with **First Class** (60.35%) aggregate.
➢ **H.S.C** (2000-2001) with **First Class** (60 %) aggregate.
➢ **S.S.L.C**. (1998-1999) with **First Class** (68.60%) aggregate.

Projects involved:

❖ *Maybank: Sama - Sama Lokal platform is used for local business in Malaysia.*

Sama-Sama Lokal is a platform created by Maybank to support local businesses by helping them to establish their presence online. Sama-Sama Lokal is a zero-commission platform that allows local businesses to set up their stores online. It offers third-party delivery assistance and real-time updates with zero fees!
This platform includes QR-pay -Biz and QR-Admin portal apps that help seamless connectivity with safe and secure and user friendly for all local businesses.

Skills used	NodeJs, React, MS-SQL-Server, Angular.
Client	Maybank, Malaysia.
Roles and Responsibility	API Service Development and Implementation.

❖ *Local-Fed: Food delivery platform for Indie Chefs with scheduled deliveries*

Localfed is one of the most comprehensive and user-friendly apps where people can search for nearby Chefs and stores, order food online, and get it delivered to their doorstep quickly. Moreover, you can also get accurate information about Chefs as it provides menus, recipes, prep times, reviews, follows, private chat rooms, and ratings. Based on that, users can place orders and enjoy lip-smacking food at their homes.

Skills used	NodeJs, React, Postgres, Prisma, Kafka.
Client	Qcutter, Qorebase.
Roles and Responsibility	Development and Integration.

❖ *Väderstad : Seedhawk cloud app web portal*

Vaderstad is a leading farm machinery manufacturer providing equipment for cultivation, seedbed preparation and seed planting placement, etc to ensure perfect emergence to maximize the yields seed hawk cloud app provides required backend apis for account login, admin account, settings, device details, Reports, RxMaps, AsApplied, Unlocks, Logs, etc.

Skills used	Nodejs, React, Mysql, C#.Net core6.
Client	Väderstad Industries Inc
Roles and Responsibility	Code Analysis and API Development & Testing.

❖ *Smart-Repo: End to End Automation for LGE and Auto uploads to GCP*

The smart repository project is collecting the zebra build's script information from Jira and updating the status information into Jira for tracking. The same data has to be published into the production server which is the Google Cloud platform through API's for Zebra partners and clients. The end-to-end operation is achieved through Automation.

Skills used	NodeJs, JavaScript, Postgres.
Client	Zebra EMM and LGE clients
Roles and Responsibility	Development and Integration.

❖ *Smart-Repo: LifeGuard security updates and DB maintenance*

The smart repository project is collecting the zebra build's ro. prob information and updating the patch-related info and maintaining it in the staging database. The same data has to be published into the production server(GCP cloud) for Zebra partners and clients.

Skills used	NodeJs with ExpressJs,React, Oracle, and Postgres Database
Client	Zebra EMM clients
Roles and Responsibility	Script development and Integration.

❖ *IAF- Indian Air Force bio identification*

IAF is using the Zebra MCD devices for their technical operation in the Aircraft / Air force area. IAF is using Biometric identification for secured access in Air Force field operations at all entry and exits points to ensure high security with convenience. We are providing support for software development on our MCD devices for Finger-Print Authentication using FP API's. Finger-Print module + MCD tested to connect with PC while on OTG mode.

Skills used	WindowsMobile, C#.net, BarcodeAPI,FingerPrintModule
Client	IAF - Wipro
Roles and Responsibility	Development, Integration.

❖ *SKO - Self Event Registration with Zebra products*

Sales-Kick-off-2019, This is for an SKO event in Vietnam using only a zebra product to reduce the manpower to manage registration counters for organizing the team. This process is integrated with the zebra devices like kiosks, Printers, and RFID units for self-registration using QR-code. The participants got QR code through an online portal. participants scan the QR code and the app would verify the database for user details and present the same to the user. and request to take a photo facing the CC5000 camera. once the user confirms the details sent to the photo card printing and RFID tag printing simultaneously. Based on the user info application would show the user's photo and info on the screen placed on the stage.

Skills used	Android, EnterpriseBrowser, RFID module, BT-Printer, C#.net
Client	Zebra Sales Team
Roles and Responsibility	Development, Integration.

❖ *Energy & Natural Resources Assistance*

The Project is an industrial worker who needs positive confirmation that they have all of the right equipment and the right ''inductions' ' before they are allowed through the entrance into an industrial site. For example, they have the right type of Hard Hat, have the correct radio, and the personal ID badge. If all items are scanned a Green Light is activated and the door unlocks.

Skills used	Win32, C#.Net,RFID API's
Devices	FX7400 and FX9500 Rfid reader.
Client	Coal India Ltd
Roles and Responsibility	Development, Integration & Unit Testing.

❖ *LLRP Packet sniffer*

The Project is tracking data between the RFID reader and the Client connection. This project is used to confirm the reader is connected with the client. In this project, the RFID reader is connected with VC70, and the setup is mounted in the forklift which is moving around in the warehouse environment and communicating with the client through Wi-Fi.

Skills used	Win32, C#.Net, RFID API's
Devices	FX7400 RFID reader with VC70.
Client	RIL.
Roles and Responsibility	Development, Integration.

❖ *Postal Application and Integration*

This is a complete solution for the Indian postal department, including an Article booking/delivery, a Money order booking/delivery, and reports. The application covered most of the functionalities of India Post.

Skills used	Windows mobile. C#.Net
Devices	MC65, BT Printer, Payment Module, Finger-Print Module & Solar-Charger.
Client	Motorola Solutions Pvt Ltd
Roles and Responsibility	Development, Integration & Unit Testing.

❖ *Asset Scanner and Inventory Management System*

The Asset Scanner software is designed to control and manage the mobile asset in a particular location of the organization. Scan the entire area for assets like the computer, and its peripherals and report to the centralized system. Here we implemented ReST (Representational State Transfer) and credential authentication. The location is changing dynamically based on the user login. This software is a comprehensive asset-tracking solution with extensive RFID technologies and functions. RFID tags and readers have been integrated as part of the Inventory solutions.

Skills used	Win32, Windows mobile, C#.Net
Devices	MC31xxG, MC9090G.
ISV Partner/Client	IBM Noci Pvt Ltd & Take Solutions Pvt Ltd
Roles and Responsibility	Developed the application and integrated it with RFID Technologies.

❖ *Scanner Integration with MotoTrbo Unit*

This software is designed for receiving and transmitting a barcode value over radio networks. Set up the MotoTrbo unit and integrate it with a Bluetooth scanner. Scan the barcode and send over a Bluetooth at one end and receive the data at the other end over the radio using UDP and store the data on the PC.

Skills used	Win32, C# .Net
Devices	MOTOTRBO.
Client	Proof of Concept for Motorola Mobility Solutions.
Roles and Responsibility	Development & Testing the Solutions.

Personal Details:

Father's Name	Sankar. R.
Date of Birth	21st Oct-1984.
Gender	Male
Marital Status	Married
Nationality	Indian
Passport No	T1086072
Address	#772, 16th Main Micolayout Bangalore~560068.
Alternate Contacts	s.mohanaganapathy@yahoo.com +91 95900-74450