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| Technical Lead |
| **Yuvaraj** |
|  |
| 875 456 7890 |
| yuvaraj@company.net |

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| About Me / Summary | | | |
| Experienced in UI design and development for smart appliances and instrument clusters.  Willing to learn new things and excited to take up new challenges. | | | |
| Synopsis | | | |
| * Proficient in java language and server backend development. * Worked with Sql and NoSql databases * Worked on MVC design pattern based server backend software. * Working on development of firmware OTA web backend system for car keyfob for client Dorman. * Working on project to build the front end and back end software for Vehicle Monitoring System(VMS). * Worked on bug fixing of HUD(Heads Up Display) project for client Nippon-Seiki. * Developed applications for smart appliances and implemented communications with cloud servers. | | | |
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| Skills | | | |
| * Sql Database * Frontend Development * Backend Development * Android Mobile App Development | |  | |
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| Programming Language | | | |
| * Java,C++ * Kotlin * LLama | | * HTML, CSS, JavaScript * Python | |
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| Tools Expertise in | | | |
| * React * SpringBoot | | * Android SDK * RDBMS | |
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| Projects | | | |
| ***Abc Technologies Pvt Ltd, Chennai, Tamil Nadu***  Technical Lead **- June 2022** to **Till Now** | | | |
| **Firmware OTA update for keyfob**  Tools and Technologies   * SpringBoot * MongoDB * MySql DB * React * Android Native App | Description:  This project was done for client. We developed backend application using springboot which exposed Rest API Services.  The mobile app will download necessary firmware from cloud and is transmitted via BLE to car.  Roles & Responsibilities:   * Design of backend monolithic application using springboot. * Developed with Spring-ORM design pattern using hibernate and JPA * Developed single sign on using OAuth2 * Design of RDBMS with MySql * CI/CD with AWS and github | | |
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| **Vehicle Monitoring System**  Tools and Technologies   * SpringBoot * MySql DB * Flutter | Description:  VMS hardware fixed in vehicle collects and uploads the data to cloud using HTTPS protocol.  The vehicle status, historical data and performance report is shown through interactive dashboard.  Roles & Responsibilities:   * Design backend architecture for IOT devices * Development of backend server application * Development of dashboard in web app | | |
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| **Automobile Heads Up Display(HUD)**  Tools and Technologies   * Elektrobit EB Guide Studio | Description:  In heads-up display, the information is displayed on the windscreen or any other transparent panel, so that visibility remains unaffected. HUD projects information like navigation guidance, warning lights and engine revs, thus considerably limiting the number of times a driver needs to take their eyes off the road.  Roles & Responsibilities:   * Software Impact analysis due to update in Functional Specifications. * Estimation of time for software implementation of Change Request. * Analysis of defects in HUD software which was developed using Elecktrobit EB GUIDE studio. * Implementing fixes for confirmed defects. | | |
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| ***Abc Pvt. Ltd., Chennai***  **Software Engineer II - December 2020** to **August 2021** | | | |
| **Learning Management System (LMS)**  **Tools and Technologies**   * ASP.NET * React * MySql | Description:  A learning management system is a software application for the administration, documentation, tracking, reporting, automation, and delivery of educational courses, training programs, materials or learning and development programs.  Roles & Responsibilities:   * Participate in review of server backend system requirements. * Develop modules of server backend applications using Spring Framework. * Do peer review of database design. | | |
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| ***Abc Consulting Services LLP, Chennai***  **Software Engineer - July 2019** to **July 2020** | | | |
| **Touch Based HMI Application for electrically controlled Lockers**  **Tools and Technologies**   * Native Android * Sql Lite * MQTT * HTTP | Description:  The concept is for last mile delivery solutions for E-Commerce. The delivery person will not go to each customer’s location for package delivery. Instead, there will be a big box with 30 individual lockers kept at a public place. The Box will scan the package barcode and the pre-assigned locker will open, the delivery person will keep the package inside the locker and close the locker. Similarly, the delivery person will load all packages into lockers. Now the customer will come to the box, enter OTP on the touch screen in the box and his/her locker will open. Now the customer can collect his/her package.  Roles & Responsibilities:   * Analyze possible failure modes that may occur in deployment scenarios. * Design and implement Android HMI Application for Box to handle failure modes. * Design and implement interface between Android Box Application and server to handle negative scenarios like internet connectivity issues, communication failure. | | |
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| ***Abc Consulting Services LLP, Chennai***  **Software Engineer - June 2016** to **May 2018** | | | |
| **Gateway for Internet Of Things (IOT) Project** | Description:  A xbee usb dongle is attached to a raspberry pi. The xbee dongle is part of the wireless sensor mesh network. Raspberry pi needs to collect data from sensors and upload sensor data to cloud servers.  Roles & Responsibilities:   * Develop C++ application for raspberry pi to read data from the UART port and upload to the cloud. * Develop C++ application for raspberry pi to receive commands from cloud server and transmit commands to sensors via xbee dongle. | | |
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| ***GRT Embedded Solutions, Coimbatore***  **Junior Software Engineer - June 2014** to **May 2016** | | | |
| **Ledger Software for gold shop** | Description:  Windows application to save customer personal details and his/her gold loan details (loan amount, due dates). Also, generate a report daily with a list of customers who have not made payments.  Roles & Responsibilities:   * Develop .NET Forms application UI for users to enter details. * Design MySql table schema to store data. * Develop application logic in C# language to generate reports daily with a list of customers who have not made payments. | | |
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| Education | | | |
| Bachelor of Electronics and Instrumentation Engineering (2008-2012)  SRE, Coimbatore, Tamilnadu | | | |
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| Personal Details | | | |
| Name | Yuvaraj | | |
| Date of Birth | 01 / 01 / 1992 | | |
| Known Languages | English, Tamil | | |
| Nationality | Indian | | |
| Address | Kodambakkam, Chennai-600024 | | |
| Marital Status | Unmarried | | |
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| Declaration | | | |
| I sincerely proclaim that all the particulars mentioned above are true to my belief and I am accountable for its accuracy | | | |
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| Date:  **Time:** | | | Name: |