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Objective:

A Responsible and committed engineer working at **iRam Technologies Pvt Ltd** Bangalore, who loves in adapting new technologies and passionate about delivering the experiences and help end users in better way.

Professional Summary:

- Currently working as **Product Engineer** at **iRam Technologies Pvt Ltd, Bangalore** from March 2016 to till date.
- **4+ years of IT experience** in analysis, design, development, documentation, implementing of software in **Java/J2EE** and internet technologies.
- Excellent understanding and experience in **oops** principles
- Working experience in designing **Restful Web services** using **Spring Boot**.
- Worked with **MariaDB** relational database server.
- Hands on experience with build and deployment tools including **Maven**, and debugging using **Log4j**.
- Good working experience in application development using IDE's like **Eclipse**.
- Hands on client side Technologies such as **HTML and JavaScript**.
- Had worked on **Wildfly JBOSS and Keycloak Application Servers** and deployed projects in it.
- Involved in the design and development of **Enterprise Applications**.
- Experience in implementing **JAVA EE design patterns** such as **MVC, Singleton** in the development of distributed enterprise application.

Technical skills & Applications:

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|---------------|----------------------|----------------|
| ✓ Core Java | ✓ JDBC | ✓ cURL |
| ✓ Python | ✓ JavaScript(Basics) | ✓ MQTT |
| ✓ Spring Boot | ✓ JBoss Wildfly | ✓ Open CV |
| ✓ Maven | ✓ Apache Tomcat | ✓ Raspberry Pi |
| ✓ Postman | ✓ HTML | ✓ Asana |
| ✓ JIRA | ✓ Keycloak | ✓ AWS EC2 |
| ✓ Nginx | | |

PROFESSIONAL EXPERIENCE(PROJECTS)**VII) Kohima Smart City [Lighting Solution, EMS, VMD, PA, PB] • Kohima • October 2020 – Present****ROLE: BACK-END DEVELOPER****CLIENT: KOHIMA SMART CITY LTD, INSPIRA****TECHNOLOGY AND TOOLS: JAVA, MARIADB, PYTHON 2.7, JBOSS, WILDFY, MONGODB, NGINX****PROJECT DESCRIPTION:**

This is a Smart City India initiative project which has Lighting, Environmental Management, Variable Message Display, Panic Button, Public Addressing Machine. All the components are deployed into One Smart Pole. Every component will communicate with the Central server and can be monitored from ICC [Integrated Command Control Center]

Responsibilities:

- Responsible for Development of Back-end Application Server.
- Responsible for Integration of third party devices into centralised server using Rest full services.

- Responsible in integrating all the applications to ICCC.
- Currently working on the development and enhancements of Lighting Application and EMS Applications

VI) Rajkot Smart City [Parking Solution] • Rajkot • April 2020 – Present

ROLE: BACK-END DEVELOPER, DEPLOYMENT

CLIENT: RAJKOT SMART CITY LTD, INSPIRA

TECHNOLOGY AND TOOLS: JAVA, MARIADB 10.3, PYTHON 2.7, JBOSS, NGINX, CRONTAB, UBUNTU 18.04, KEYCLOAK, LDAP, SPRING BOOT

PROJECT DESCRIPTION:

This is a Smart City India initiative project with Parking Management System as one of the Smart City Component. Project is to give easy access to the Parking System for Public Citizens by using their Mobile Applications. It gives Locations [Map view] for Parking Sites and route guidance to the Public Citizens.

Responsibilities:

- Responsible for Development of Back-end Application Server.
- Responsible for Integration of third party devices into centralised server using Rest full services.
- Responsible in integrating all the applications to ICCC.
- Currently working on the Development and integration of Payment Kiosk and Ticket Dispenser at Parking Sites.

V) Dahod Smart City [Lighting Solution, EMS, VMD] • Dahod • May 2019 – March 2020

ROLE: BACK-END DEVELOPER, DEPLOYMENT

CLIENT: DAHOD SMART CITY LTD, HONEYWELL

ICCC INTEGRATION: TRINITY MOBILITY

TECHNOLOGY AND TOOLS: JAVA, MARIADB 10.3, MONGODB, PYTHON 2.7, JBOSS, CRONTAB, UBUNTU 18.04,

This is a Smart City India initiative project which has Lighting, Environmental Management, Variable Message Display. All the components are deployed into One Smart Pole. Every component will communicate with the Central server and can be monitored from ICCC [Integrated Command Control Center]

Responsibilities:

- Responsible for Development of Back-end Application Server.
- Responsible for Integration of third party applications to the centralised server using Rest full services.
- Responsible in integrating all the applications to ICCC.
- Responsible for Completion of UAT at the Customer Place.

IV) Kanpur Smart City [Parking Solution, EMS] • Bengaluru • June 2018 – January 2020

ROLE: BACK-END DEVELOPER, DEPLOYMENT

CLIENT: KANPUR SMART CITY LTD, TECH MAHINDRA

TECHNOLOGY AND TOOLS: JAVA, MARIADB 10.3, PYTHON 2.7, JBOSS, NGINX, CRONTAB, UBUNTU 18.04, KEYCLOAK, LDAP, SPRING BOOT

This is a Smart City India initiative project with Parking Management System as one of the Smart City Component. Project is to give easy access to the Parking System for Public Citizens by using their Mobile Applications. It gives Locations [Map view] for Parking Sites and route guidance to the Public Citizens.

Responsibilities:

- Responsible for Development of Back-end Application Server.
 - Responsible for Integration of MPOS, Mobile Application using Rest-Full Services.
 - Responsible in Integrating the Smart Parking solution for ICCC(Command Control Center)
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III) Bhubaneswar Smart City [Parking Solution] • Bengaluru • June 2018 – present

ROLE: BACK-END DEVELOPER, DEPLOYMENT

CLIENT: BHUBANESWAR SMART CITY LTD, HONEYWELL

TECHNOLOGY AND TOOLS: JAVA, MARIADB 10.3, PYTHON 2.7, JBOSS, NGINX, CRONTAB, KEYCLOAK, REST-EASY REST FULL SERVICES

PROJECT DESCRIPTION:

This is a Smart City India initiative project with Parking Management System as one of the Smart City Component. Project is to give easy access to the Parking System for Public Citizens by using their Mobile Applications. It gives Locations [Map view] for Parking Sites and route guidance to the Public Citizens.

Responsibilities:

- Responsible for Development of Back-end Application Server.
- Responsible for Integration of MPOS, Mobile Application using Rest-Full Services.
- Responsible in Deployment and testing full application with Live Parking sites[Off street] at the time of Hockey world cup 2018.
- Currently working on the integration of MLCP Parking Sites with Third Party devices like Camera and Boom barriers.

II) Parking Solution Camera based • Bengaluru • May 2017 – February 2018

ROLE: PARTIAL DEVELOPMENT[JAVA, PYTHON] AND TESTING

TECHNOLOGY AND TOOLS: OPENCV WITH PYTHON, JAVA, NVIDIA JETSON TK1, UBUNTU 16.04, ECLIPSE

Development of Backend Server Application for capturing the Parking Status and Rest full Services to the Web Application. Integration of the Rest Full Services with ICCC Team.

Responsibilities:

- Responsible for Partial Development and fine tuning of detection algorithm.
- Responsible for Development and Integrating Hardware with Server.
- Responsible in Integrating the Smart Parking solution for ICCC(Command Control Center)

I) IoT Software and Hardware Design • Bengaluru • March 2016 – April 2017

ROLE : SOFTWARE AND HARDWARE DEVELOPER, INTEGRATION AND TESTING

TECHNOLOGY AND TOOLS: EMBEDDED C, ATMEL STUDIO 7 IDE, CORTEX M4 CONTROLLER, ATWINC1500, PYTHON 2.7, UBUNTU 16.04, ZIGBEE (XBEE 802.15.4 RF MODULE), KICAD 4.0, ESP32, OPENCV

PROJECT DESCRIPTION:

Smart Application like Home Automation Switches, Street Light Application, PCB designs and development for Lighting Controller, IoT Gateway and sensors. These are used as SmartCity Components and Individual Customer Components. These applications are made for end customer to use effectively with Mobile Application.

Responsibilities:

- Responsible for development and testing of software and hardware for Lighting Application.
 - Responsible in testing of End device with the Integration of iRam Entilo Android application.
 - Complete Testing and Reviewing was done with Server Integration.
 - Responsible in Design, Testing and reviewing the PCB
 - Responsible for Setting BSP and testing all modules.
 - Responsible for setting up the Street light solution in Wipro (Electronic city) and assisted them on Integration with their server and testing.
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EDUCATION

Master of Engineering, ES&VLSID – 71%

Vasavi College of Engineering, Osmania University | Hyderabad, Telangana

Bachelor of Technology, ECE – 74%

Priyadarshini College of Eng. & Tech, JNTUA | Nellore, AP

Board of Intermediate, MPC – 87%

Sri Chaitanya Jr. College | Nellore, AP

Board of Secondary Education – 76%

Dr SRK School | Nellore, AP

PERSONAL PROFILE

DOB: 04-APRIL-1991

Nationality: Indian

Passport No: K2565579

DECLARATION

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

Place: Bangalore

Date:

Vivek Guntumadugu