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# Sarguna K

## Software Engineer

Coimbatore,

Tamilnadu

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<https://sarguna07.github.io>



## EXPERIENCE

May 2019 - Present

**Katomaran Technology and Business Solutions, Coimbatore** - *Software Engineer.*

### Front-End

- Designed UI with JavaScript, HTML, CSS.
- Designed, Architected and wrote the Font-End application using **React JS**
- Implemented and enhanced **CRUD** operations for the applications using the **MVC** architecture in **Ruby/Rails**.
- Developed a web application to control the **Robot** using **ROS Javascript Library**.
- Utilized the services like **FCM, Firebase Hosting, Google Analytics**.

### Back-End

- Development of API's as per client requirement in **Ruby/Rails** using **PostgresQL**.
- Implemented **Sidekiq** and **Crontab** for scheduled jobs.
- Integrated with third-party APIs including email providers and social media like slack, whatsapp and sms.
- **Architect, Design, Implement, Maintain** production administrative web services
- Successfully migrated **Monolithic** architecture to **Micro Service** architecture.
- Developed Ruby Scripts to change and migrate database on production.

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## FREELANCE EXPERIENCE

Developing service based **business website**

<https://srivinayagaagroservices.netlify.app/>

## SKILLS

**Web Technologies:** HTML 5, CSS3, JavaScript, Bootstrap, JQuery, JSON, RESTful, Material-UI, Ant-Design, Momentjs, C3 Charts, JWT, ReactJs, Ruby on Rails.

**Tools Used:** VSCode, Atom, Postman, Graylog, Honeybadger, Git, ClickUp, Netlify, Docker, Open Project.

**Database:** PostgreSQL, Redis, Elasticsearch.

**CI/CD:** GitLab.

**Server:** DigitalOcean, Heroku

## PROJECTS

### Building Management System :

- Tracking the vehicle inside the Condo.
- Tagging and Monitoring the Visitor inside the Condo.
- Alert System will trigger unauthorized parking, device disconnected and other VA-Alerts .
- Pre-Invitation for Visitor.
- Integrated Azure Face Training.
- Admin Panel to manage all Condo.

### ROS WEB :

- Mapping, Planning, Scheduling and Navigating the robots.
- Admin Panel to control all the robots.

**IOT-Device-Monitoring :** To monitor the status of iot-devices which is used in **BMS**

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## RESPONSIBILITIES

- Split the features into tasks and assign the tasks to the team members and deliver that feature within a timeline.
- Conducting daily standup and update click-up tickets.
- Review, Validate and Optimize the Code.

## EDUCATION

**K S R College of Technology, Coimbatore** - *B.E in Mechatronics Engineering.*