







# MAGESH VARAN Software Engineer

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 Bangalore, Karnataka

## Work Experience

**Leapmile Robotics / Qikpod**, Software Engineer 

08-2023 – present

### Robotics Dashboard

**Tech Stack:** Flutter, FlutterFlow, Dart, Python

- Developed a **real-time robotics monitoring dashboard**, enabling live tracking of robot movements with dynamic data visualization.
- Enabled **real-time diagnostics** and error alerts, reducing system downtime by 25%.

### Admin App

- Developed **real-time monitoring admin panel** for robotic equipment (shuttles/trays/bins) using REST API & PUB/SUB
- Engineered **QR configuration scanner** cutting setup errors by **45%** and accelerating deployments **2x**

### Leapmile Robotics Website

- Designed and developed the company's official website using **Flutter Web**, creating a fully responsive interface that adapts seamlessly across desktop, tablet, and mobile devices.
- Built custom UI components with **FlutterFlow** to maintain strict brand consistency throughout all web pages.

### Robotics Solutions Developer

**Key Clients:** DHL, AMS GS Global

**Technical Environment:** Flutter, FlutterFlow, Dart, Python (FastAPI), REST APIs, WebSockets, Nginx, DigitalOcean

#### Achievements:

- Built **FlutterFlow dashboards** for robotic picking/logistics systems
- Developed **real-time control interfaces** for app-to-robot interaction
- Created **operational analytics dashboards** (inventory, performance tracking)
- Integrated with **enterprise WMS/logistics software**

### Freelance Works

present

**Play Link**-(Vanue and Events Booking Platform)

**Tech Stack:** Flutter, FlutterFlow, Dart, Firebase, Next.js, Node.js, S3 Bucket, Razorpay

- Developed a **user app** for booking venues/events by location, enabling advance/full payments and slot reservations weeks in advance.
- Built a **vendor app** for creating/editing venues/events, viewing revenue dashboards, and withdrawing earnings.
- Designed an **admin dashboard** to monitor bookings, payments, and system analytics with full control over users/vendors.
- Integrated **Razorpay** for secure payments, **Firebase** for real-time data, and **S3 Bucket** for media storage.

**Foodie Thing**, (Food Ordering & Combo Subscription App)

**Tech Stack:** React.js, Bootstrap, Node.js, MongoDB, Firebase

- Created a web platform for food ordering and weekly/monthly combo subscriptions with dynamic pricing.
- Implemented **Firebase Auth** for secure login and **MongoDB** for order/plan management.
- Designed responsive UI with **Bootstrap** for seamless cross-device usability.

## Skills

### Mobile & Web Development:

- Flutter** (Cross-platform, Provider) | **FlutterFlow** (Low-Code Prototyping)
- Dart** (Null Safety, Isolates)
- React** (Hooks, Context API) | **Astro** (Lightweight SSG)

### UI/UX Implementation:

- Tailwind CSS** | **Material Design** • **Responsive Layouts** (Mobile-First, Adaptive Breakpoints)

### Languages & Types:

- JavaScript/TypeScript** (ES6+, Generics)
- Dart** (Null Safety, Isolates)
- Python** (FastAPI, RESTful APIs)

### Data Flow & APIs:

- REST** | **GraphQL** | **WebSockets**

## Projects

### Trading & Investment Learning App (Flutter)

Developed a comprehensive trading education application:

- Investment calculators:** Average cost, ROI, and risk-reward ratio
- Complete learning resources:** Technical analysis, fundamental analysis, chart patterns, and mutual funds

### YouTube Clone (React.js)

**Tech Stack:** React.js, Bootstrap, YouTube Data API v3

- Responsive video player with playback controls
- Video details display (title, views, description)
- Search functionality with API integration

### AU Cruncher - CGPA Calculator

Tech: **React.js**, **Tailwind CSS**, **Firebase**

- Course grade input (A-F) with auto GPA/CGPA calculation
- Firebase data persistence for multi-semester tracking

## Certificates

### Full Stack Web Development

Skilled in end-to-end web application development with hands-on experience in:

- Frontend: React.js, FlutterFlow, Flutter, Astro, Tailwind CSS
- Backend: Python (FastAPI), REST APIs, Nod.JS

### Google cloud


completed the "30 Days of Google Cloud" certificate program, which provided me with a comprehensive understanding of Google Cloud Platform (GCP) and its various services.

### IBM Data Analytics

IBM Intern - Analyzing the various type of CSV File data's using IBM Cognos analytics with Wathson Tool and also by using Anaconda python software

## Education

### B.E Computer Science,

Global Institute of Engineering and Technology 

07-2019 – 07-2023 | vellore, India

83%

**HSC**, Kingston Matriculation Higher Secondary School 

06-2017 – 05-2019 | vellore, India

65%