# Transform your business with the fastest-growing Tech Company

Fcode Labs

# Operating Locations

🇱🇰

Sri Lanka

**Research & Development Center**

Fcode Labs PVT LTD,
No 208, Stanley Thilakerathne
Mawatha, Nugegoda 10250, Sri Lanka.

+94 11 429 4299

🇸🇬

Singapore

**Business Development Center**

Fcode Labs Pte Ltd,
BLK 108,
Pasir Ris Street 12,
#04-79 Singapore, 510108

+65 6980 5695

Fcode Labs

# Our Expertise

**Digital Transformation**

**Web, Mobile & Cloud Engineering**

**AI & Machine Learning**

**Web 3.0 & Blockchain**

# We believe Web 3.0 is the Future

- Smart Contracts Development
- DeFi Development
- NFT Developments
- GameFi Development

Foode Labs

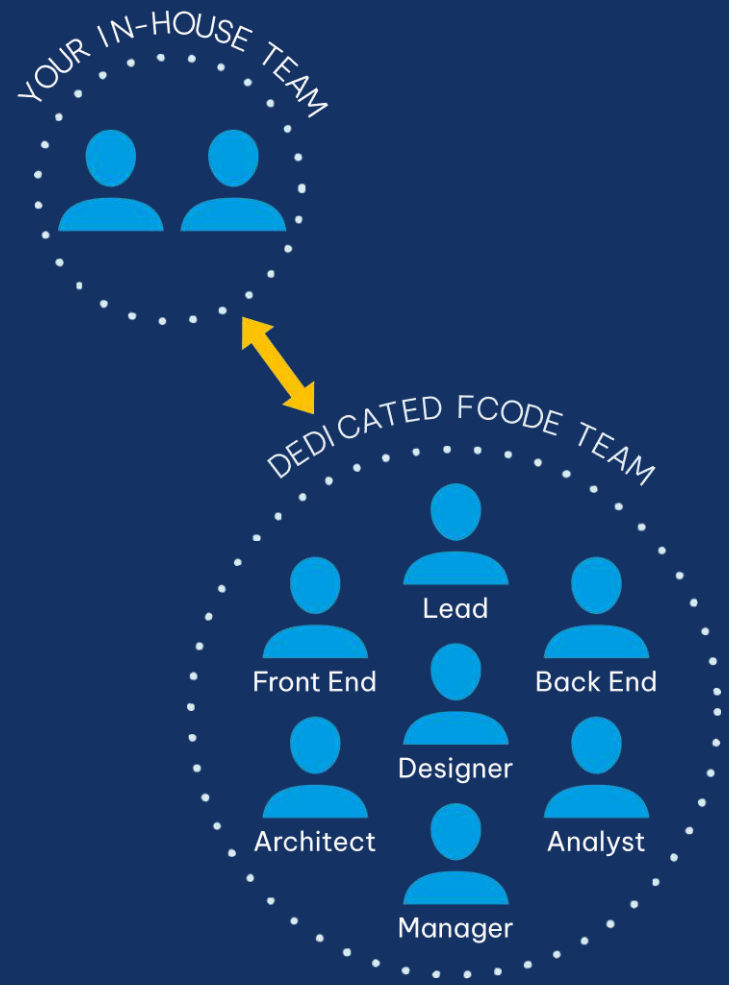
# Dedicated Remote Engineering Teams

Highly-trained engineers hand-picked for you

Lean & scalable Teams

No HR overheads

Affordable and time-saving



# Our Clients

MOHT | MOH OFFICE FOR HEALTHCARE TRANSFORMATION

MINISTRY OF HEALTH SINGAPORE

promise

exazyme

MAS CHANGE IS COURAGE

brandix inspired solutions

Dialog

Kiwrious

twinery

FORTUDE

THE UNIVERSITY OF AUCKLAND NEW ZEALAND

"We have been with Fcode Labs since 2019, and they have done an outstanding job with all our web, app and GIS development work. Highly skilled, insightful and exceptionally responsive at a very competitive price."

★ ★ ★ ★ ★

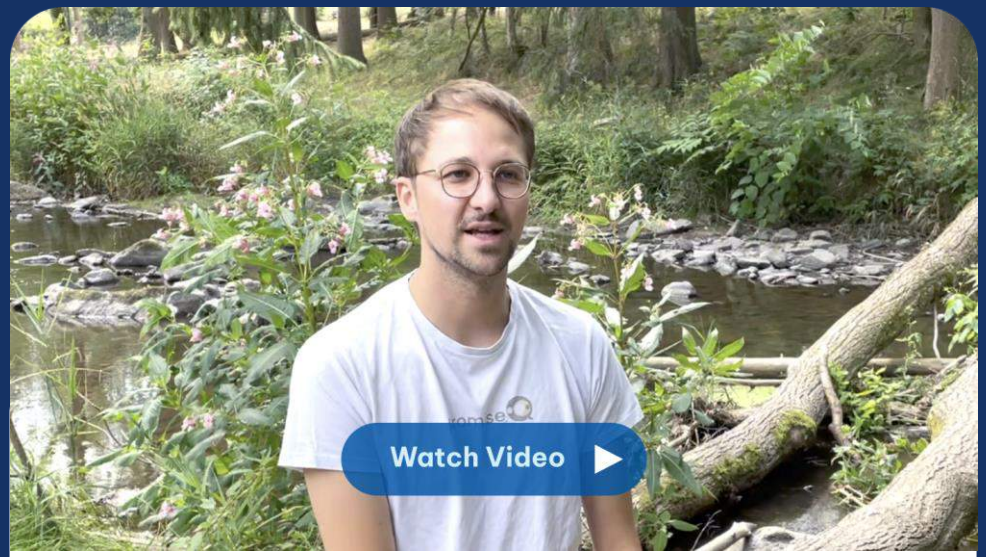
**Neil Saravanamuttoo**
Founder, Social Motion Inc, Canada

## Prof Suranga Nanayakkara

National University of Singapore

★ ★ ★ ★ ★

“We hired Fcode Labs to build our mobile-based platform for mental health clinicians to effectively deliver CBT to patients because we needed a partner who is reliable and who can deliver something of high quality in time. They are very approachable, trustworthy, high quality, agile, and efficient in working with my existing team of UI/UX researchers and AI engineers to deliver this system which was quite complex.”




## Elias Kardel

CTO, PromiseQ GmbH

★ ★ ★ ★ ★

“The structured and measured approach of solving problems at challenging situations made Fcode Labs developers, role models for our young team. The way they approach problems, their professionalism and responsiveness showed that as a company they have lot of low-level processes to help make client engagements smooth. They are a great agency from Sri Lanka, and I recommend them to everyone. ”

# Values we work by

## Quality

We prioritize quality in everything we do. From client communication and engineering processes to final product delivery and aftercare, we maintain excellence across all our operations.

## Integrity

Human relationships are key to seamless functioning and great services. We create bespoke, cohesive teams and build positive client relations while ensuring honesty, transparency and accountability.

## Security

Fcode Labs is structured in compliance with international codes and standards in order to ensure security at all levels. We offer premium levels of protection to our clients and end users to guarantee an optimal experience.

# Founding Team

## Buddhishan Manamperi

**Co-CEO**
MSc, BSc. (Hons) Eng
(University of Moratuwa),
Adv. Dip in MA, CIMA, UK., AMIE (SL)
Batch Top – Faculty of Engineering, UoM

## Tharindu Malawaraarachchi

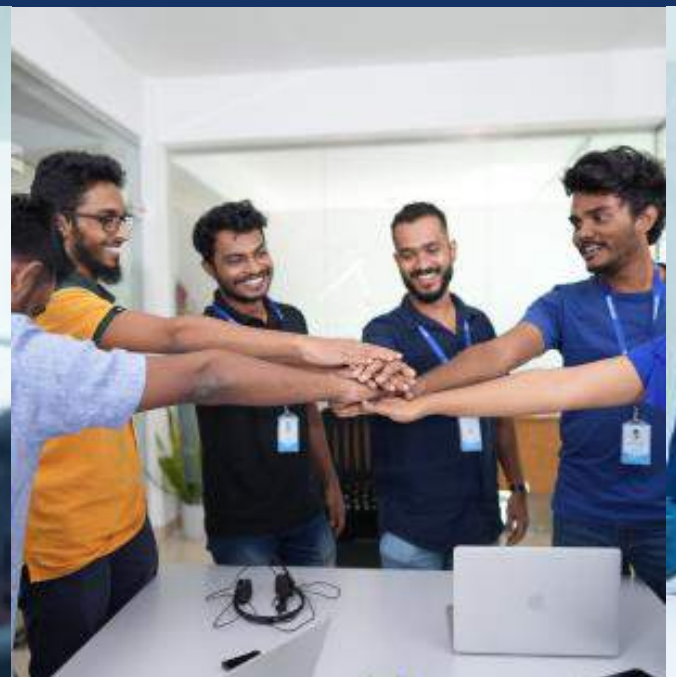
**Co-CEO**
MSc (Reading), BSc. (Hons) Eng.
(University of Moratuwa),
Adv. Dip in MA, CIMA, UK., AMIE (SL)

## Ramesh Rathnayake

**CTO**
MSc (Reading) BSc. (Hons) Eng. (University of Moratuwa),
AMIE (SL)
Best Inventor of the Island
(Sahasak Nimawum)

Fcode Labs

# 50+ Members
# And Growing!



# And among the 50 Best Workplaces in Asia

# Case Studies

**Product design and development for next-generation digital experiences**

Fcode Labs

## CASE STUDIES

**Remote engineering team for Ministry of Health, Singapore**

Government of Singapore

**Enterprise order management system for Brandix**

Brandix, Sri Lanka

**Remote mental health treatment system**

University of Auckland, New Zealand

**Mobile-first garment fit process application**

MAS Holdings, Sri Lanka

**User-centric Industry 4.0 digital transformation**

MAS Holdings, Sri Lanka

**Remote team for AI-based surveillance startup**

PromiseQ GmbH, Germany

**Remote team for AI-based protein analysis platform**

Exazyme GmbH, Germany

**Remote cancer treatment app: iLogCancer**

Minprostata, Norway

**Machine learning solution for the telco giant**

Dialog Axiata, Sri Lanka

**Dog-friendly workspace: Remote team**

Connected Canine Inc, USA

**Social Motion : A Canadian social fitness app**

Social Motion Inc, Canada

**Workforce management for Sri Lankan conglomerate**

David Peris Group, Sri Lanka

**Patented technology to treat Tinnitus**

University of Auckland, New Zealand

**AI-based autonomous carrom Bot**

AI Research by Fcode Labs

**Fine drawing at its best! Drawing GIF**

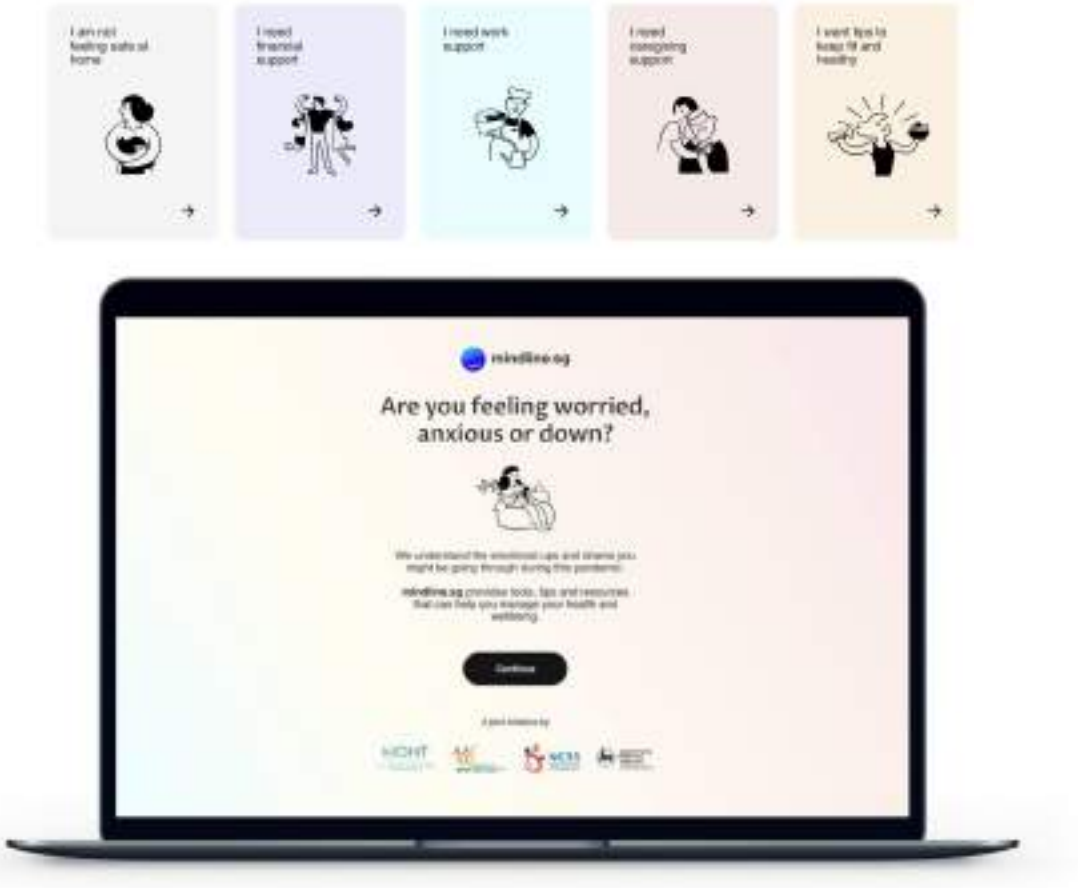
Product by Fcode Labs

**Sustainable Energy tracking using Blockchains**

RE24, London, UK

CASE STUDY

# Remote engineering team for Ministry of Health, Singapore




**Client**

Ministry of Health office for Healthcare Transformation (MOHT) Singapore

**Client Description**

Singapore Government

**Project**

Mindline.sg is a web-based platform that provides tools, tips, and resources to help users understand and manage mental health and wellbeing. (User projection : 20K / month)

**Tech Stack**

ReactJS, NextJS, Django, Wagtail, Strapi, NodeJS, MongoDB, PostgreSQL, Docker, AWS

**Our Engagement**

Comprised of architects, full-stack engineers and DevOps engineers, our remote team has been working on the development and management of the platform for 2+ years now.

MOHT | MOH OFFICE FOR HEALTHCARE TRANSFORMATION

MINISTRY OF HEALTH SINGAPORE

CASE STUDY

# Enterprise Order Management System for Brandix

**Client**

Brandix Lanka PVT LTD

**Client Description**

Fashion & Manufacturing
No of Employees : **60,000+**
Annual Turnover : **$600M+**

**Project**

JARVIS is a core tool used by Brandix merchandizing staff to process, validate & manage customer orders. The project aims to digitally transform the complete process of handling orders.

**Tech Stack**

Angular, KendoUI, GraphQL, NodeJS, TypeScript, PostgreSQL, Redis, Serverless, Terraform, AWS

**Our Engagement**

In this 15-month outsourced project, development, UATs and deployment will be conducted in 3 stages. Fcode Labs handles the entirety of enterprise architecture, engineering and quality assurance.

CASE STUDY

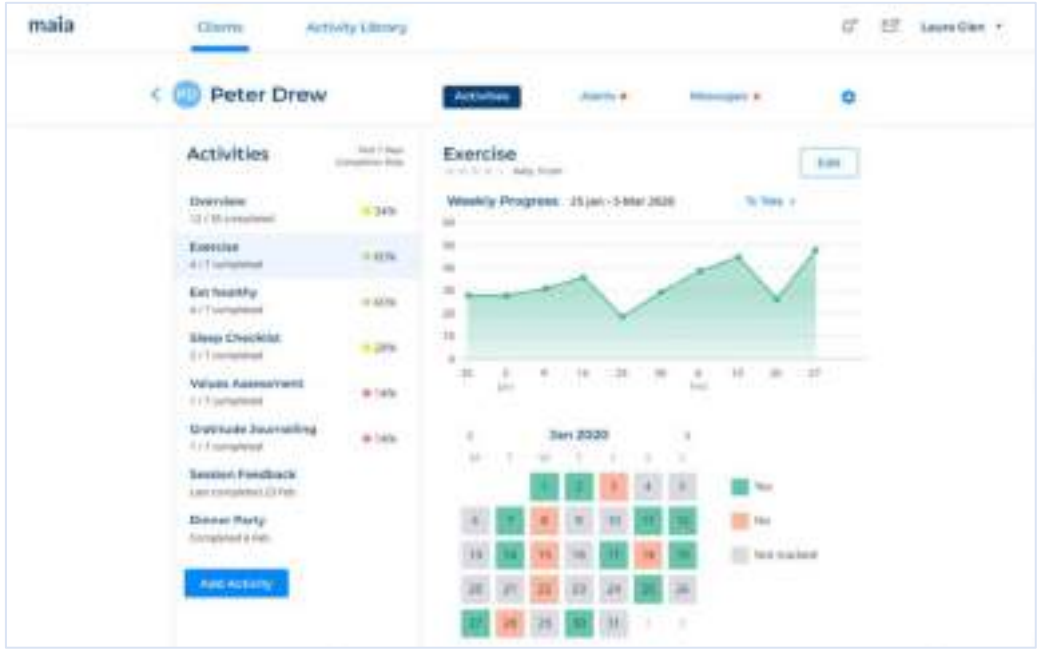
# Remote mental health treatment system

**Client**

University of Auckland, New Zealand
&
Maia Limited

**Client Description**

No of Staff: **5,900+**
Rank: **Top 100 Global**




**Project**

MAIA, a spin-off company of Auckland University, is a web+mobile platform that tracks, manages and treats mental health patients via online activities, video call and chat.

**Tech Stack**

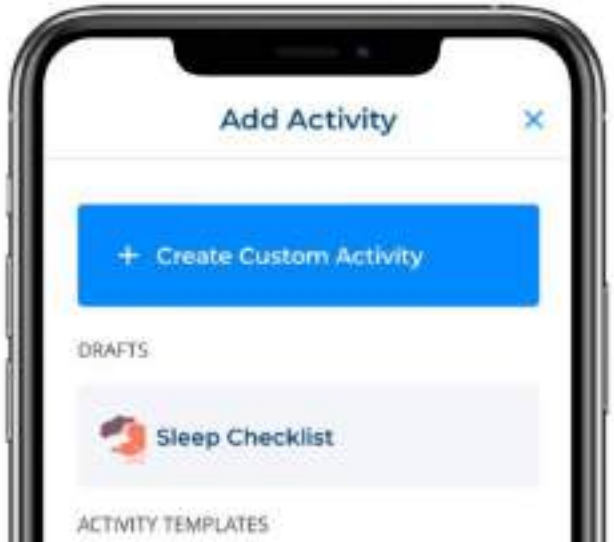
Flutter, ReactJS, MaterialUI, Serverless, Firebase, GCP

**Our Engagement**

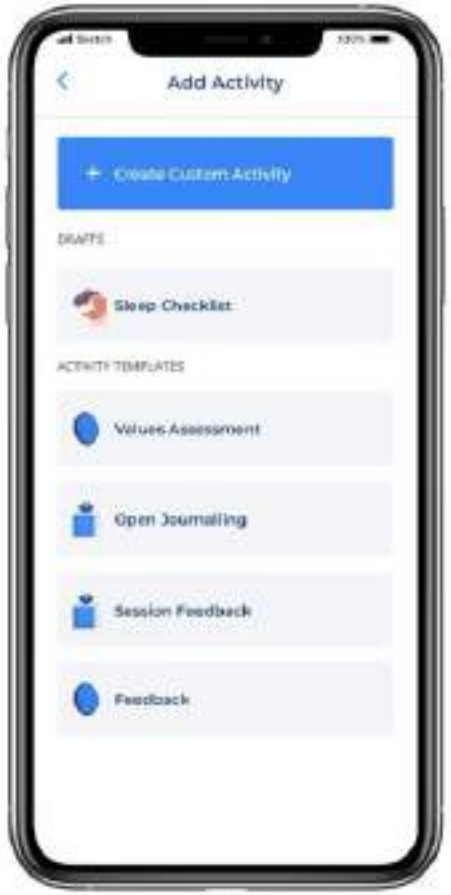
Complete software architecture, engineering, quality assurance, and data compliance (HISO) are handled by Fcode Labs.

**Awards**

Bronze – Best User Experience, New Zealand Design Awards 2020



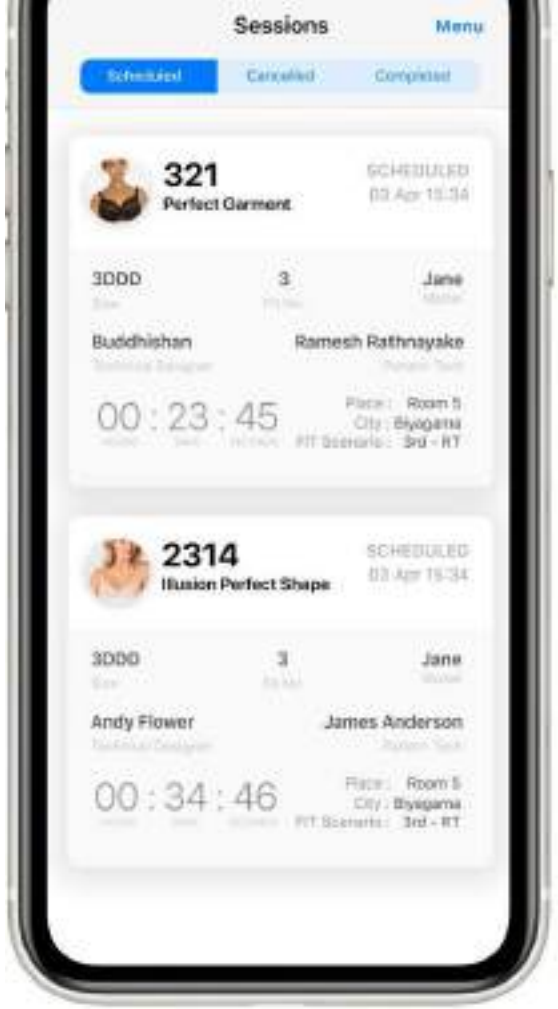
## Don't miss any activity




## Track progress...

## One to one Messaging

## Appointments and Video calls



Fcode Labs

CASE STUDY

# Mobile-first garment fit process application

**Client**
MAS Holdings PVT LTD

MAS
CHANGE IS COURAGE

**Client Description**
No of Staff: **99,000+**
Annual Turnover: **$2 Billion+**

**Project**
AIT+IT is a mobile-first application designed to digitally capture fit data in a central location, whilst also allowing business users to plan, conduct, and oversee fit sessions. It provides complete real-time visibility of ongoing fit sessions to all stakeholders. The app also includes scheduling, event management & user notifications.

**Tech Stack**
Flutter, ReactJS, MaterialUI, Serverless, ExpressJS, Firebase, GCP

**Our Engagement**
An 8-month outsourced project handled by Fcode Labs. This allowed for a time-saving of 20% from the total fit process.

CASE STUDY

# User-centric Industry 4.0 digital transformation at MAS Holdings

**Client**

MAS Holdings PVT LTD

MAS
CHANGE IS COURAGE

**Client Description**

No of Staff: **99,000+**
Annual Turnover: **$2 Billion+**

**Project**

Oxygen is an Industry 4.0 digital transformation project focusing on integrating factories, machines, human resources, and supply chain using IoT and digital technologies.

**Tech Stack**

ReactJS, NestJS, MaterialUI, MySQL, Redis, Apache Spark, Serverless, Terraform, Azure, IoT

**Our Engagement**

As the digital partner of the project - Fcode Labs will brainstorm, conduct user research, run ideation workshops, and also cover strategy formation, engineering, and deployment within the project timeline of 4+ years.

CASE STUDY

# Sustainable Energy tracking using Blockchains

**Client**

RE24,
London, UK

**Client Description**

Startup based in London, UK
Seed funding

**Project**

RE24 enable businesses to buy 24/7 green energy from the source at market-leading rates, with full transparency in energy sources, providing real-time traceability of energy using blockchain technology

**Tech Stack**

Private Blockchains, Ethereum, Serverless, AWS, ReactJS, NodeJS

**Our Engagement**

Complete software architecture, engineering, quality assurance, and data compliance (GDPR) are handled by Fcode Labs.

CASE STUDY

# Remote team for AI-based surveillance startup

**Client**

PromiseQ GmbH
Berlin, Germany

**Client Description**

Startup based in Berlin, Germany.
Seed funding

**Project**

promiseQ is a flagship false alarm filtering technology to detect the presence of threats in video alarms. Using deep learning and crowd workers, promiseQ analytics filter out false alarms across all camera types.

**Tech Stack**

VueJS, MaterialUI, NodeJS, TypeScript, Python, Serverless, Firebase, GCP

**Our Engagement**

Fcode Labs is providing full-stack and AI engineers as a remote extension to the existing engineering team at PromiseQ for 12+ months.

CASE STUDY

# Remote team for AI-based protein analysis platform

**Client**

Exazyme GmbH
Berlin, Germany

**Client Description**

Startup based in Berlin, Germany.
Funded by : BMWi and the European Social Fund

exazyme

**Project**

Exaxyme is an AI-based platform to improve protein sequences. A startup by Profound Innovation in Berlin, it is funded by BMWi and the European Social Fund.

**Tech Stack**

ReactJS, NestJS, TypeScript, Python Fast API, Tensorflow, PostgreSQL, Docker, AWS

**Our Engagement**

Fcode Labs is providing a fully-fledged remote engineering team including project managers, full-stack engineers and AI engineers for 6+ months.

CASE STUDY

# Remote cancer treatment app - iLogCancer

**Client**

ILogCancer
Norway

**Client Nature & Size**

Startup based in Norway

**Project**

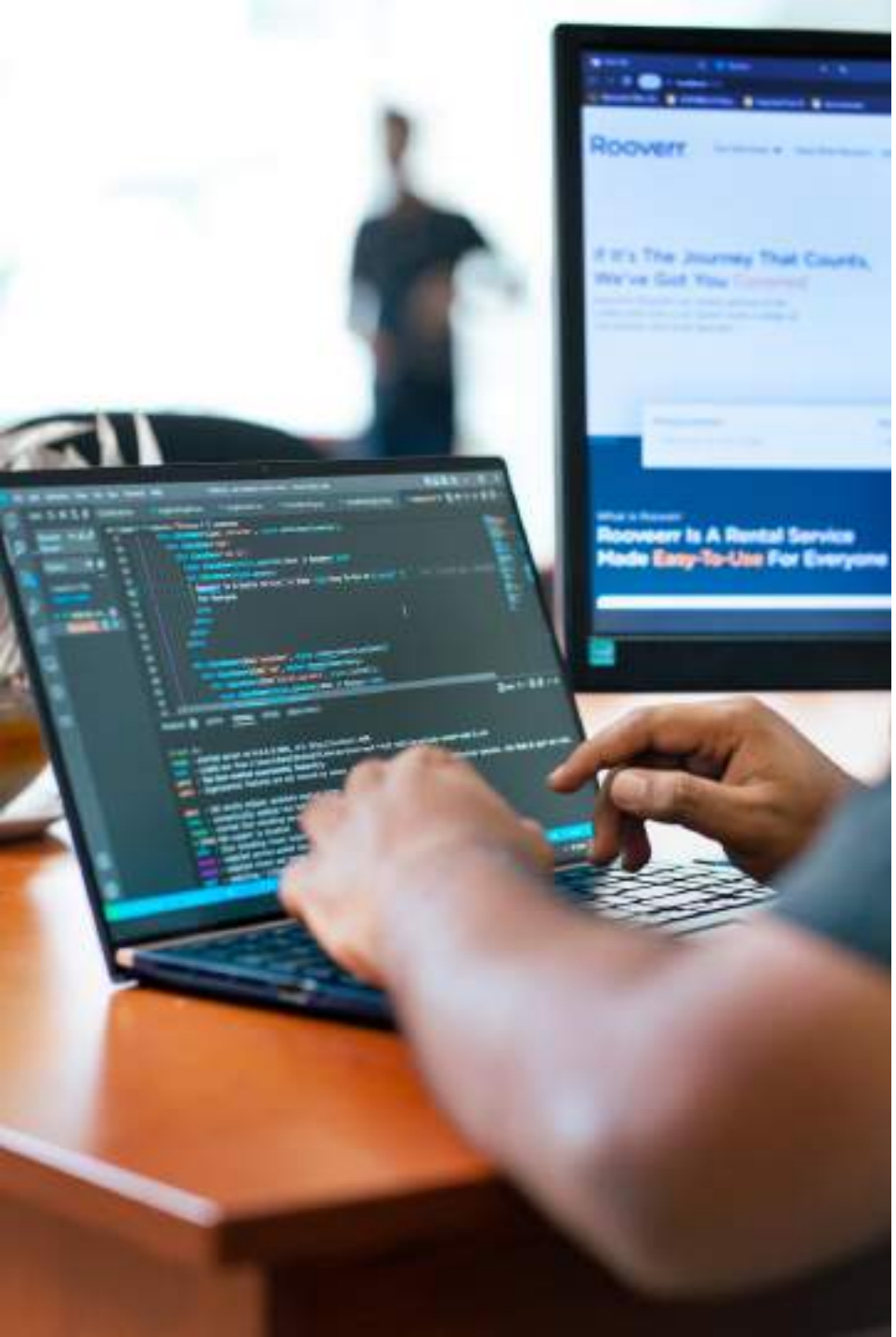
The tech solution can track, monitor and remotely treat patients with prostate cancers. The intuitive interface allows any patient of any age to access the platform with ease.

**Tech Stack**

Flutter, ReactJS, MaterialUI, Serverless, Firebase, GCP

**Our Engagement**

Fcode Labs provided mobile application engineering services for the project for over 6 months. Google Flutter was used with Bloc architecture to provide an intuitive user experience for the users.




CASE STUDY

# Machine learning solution for the telco giant

**Client**
Dialog Axiata
(Axiata Group Berhad)

**Client Description**
Leading group of telecommunication companies in South-East Asia and Sri Lanka
**No of Employees in SL**: 3,500+

**Project**
Machine learning-based prediction tool to identify reasons behind call-center customer calls using customer behavior analysis.
(Analyzes 100,000 calls details per year)

**Tech Stack**
Keras, Tensorflow, Python, DynamoDB, AWS

**Our Engagement**
Fcode Labs is providing the research development and implementation of the project.

CASE STUDY

# Dog-friendly workspace : Remote team

**Client**

Connected Canine
McLean VA, USA

**Client Description**

Startup based in USA

**Project**

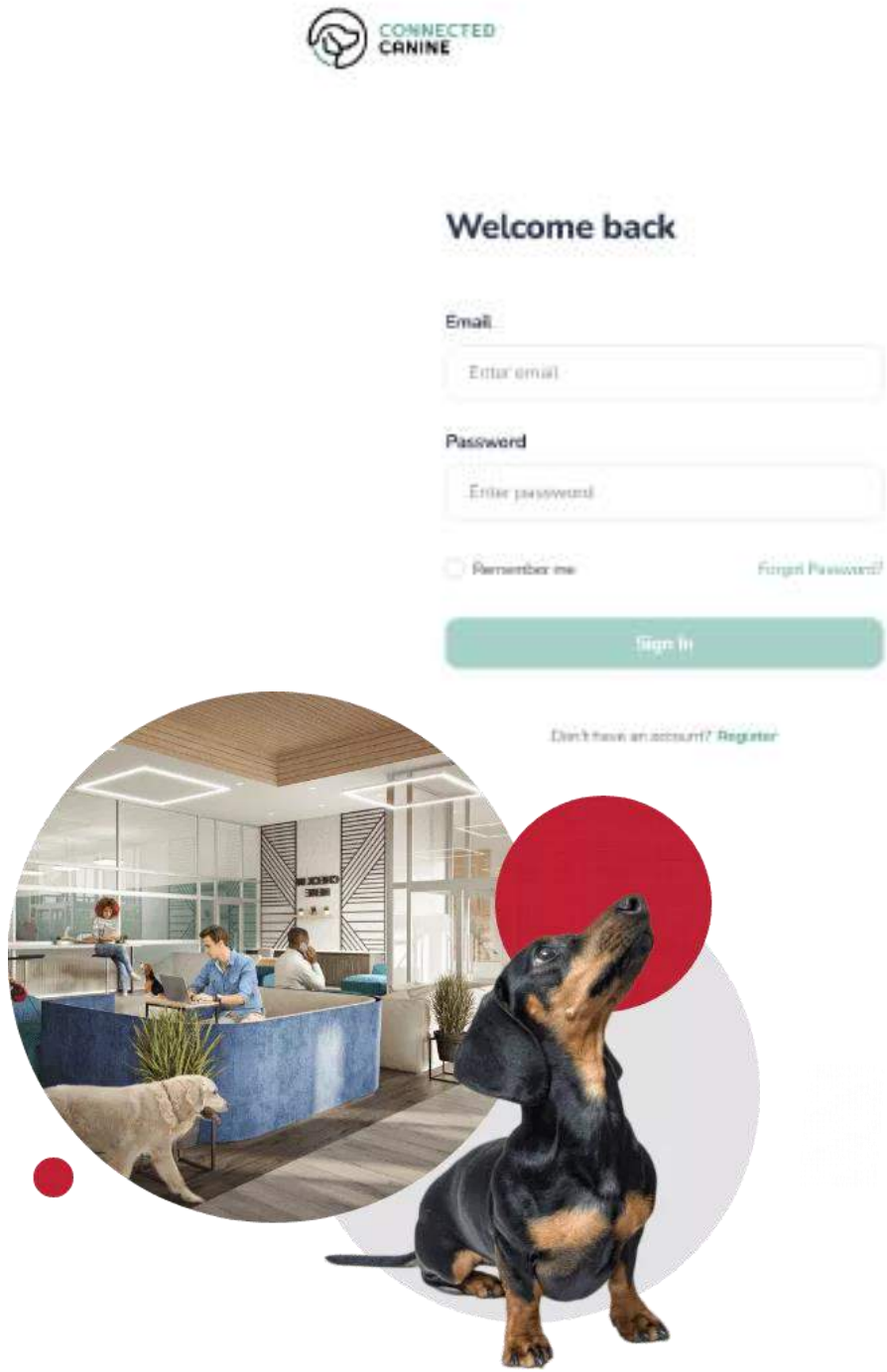
Connected Canine is a web-based platform that aims to improve employee wellbeing and work efficiency by converting traditional working environments into dog-friendly spaces.

**Tech Stack**

ReactJS, NestJS, TypeScript, PostgreSQL, Docker, AWS

**Our Engagement**

Fcode Labs is providing a fully-fledged remote engineering team comprised of lead engineers, front end engineers, backend engineers, project managers and quality engineers.



FCODE LABS AI

# AI-based autonomous carrom bot

**Project**

The realization of an automated smart carrom-playing robot that continuously analyses the board's configuration using image processing and a vision feed.

Upon self-determining the speed, angle, and power of shot, it plays a series of best possible shots to complete a game.

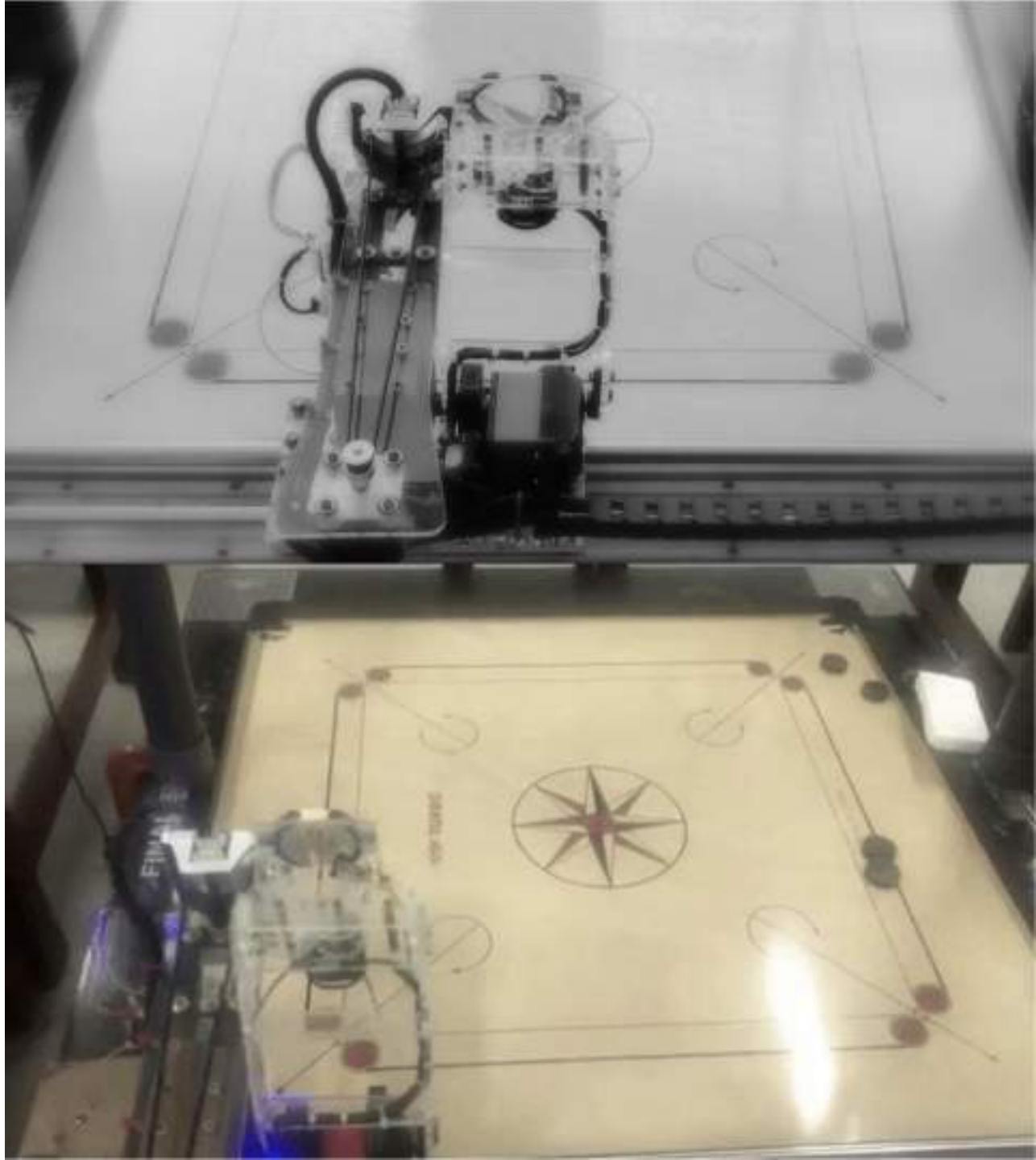
Watch Video

**Publications**

"Towards a Smart Opponent for Board Games: Learning beyond Simulations," in Proceedings of IEEE International Conference on Systems, Man, and Cybernetics, Toronto, Canada

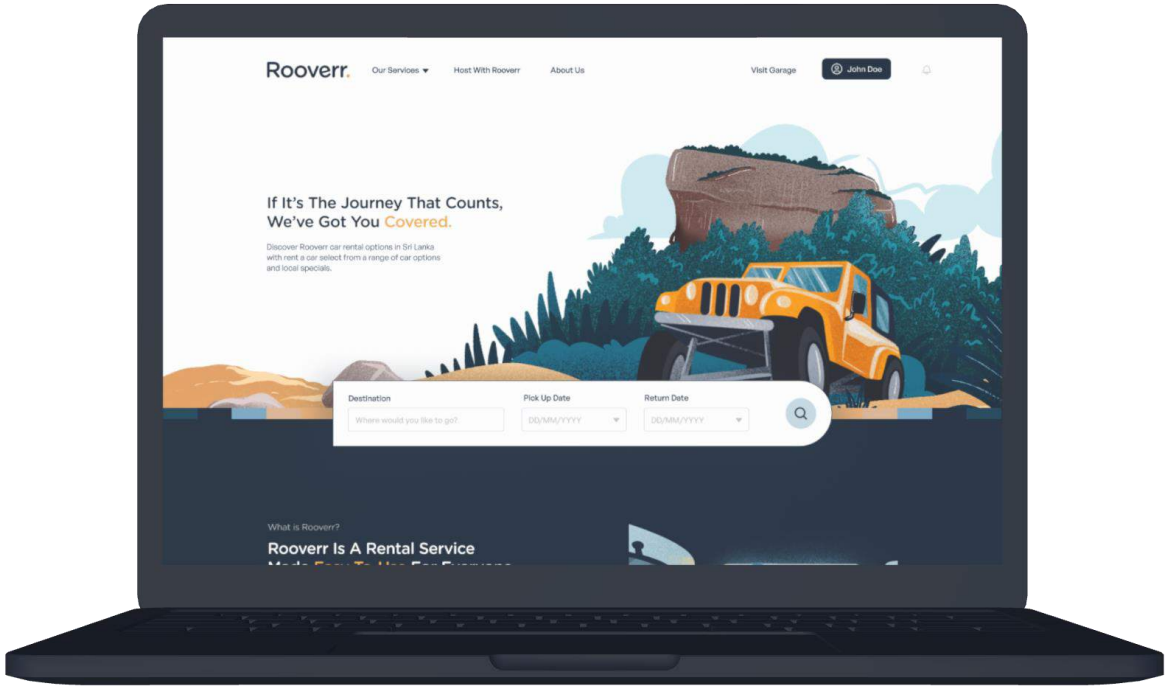
**Awards**

Runners-up – IEEE IAS Robotics Demonstration contest 2020 (Michigan USA)



CASE STUDY

# Rooverr: Taxi booking platform




**Client**
Rooverr PVT LTD
Sri Lanka

Rooverr.

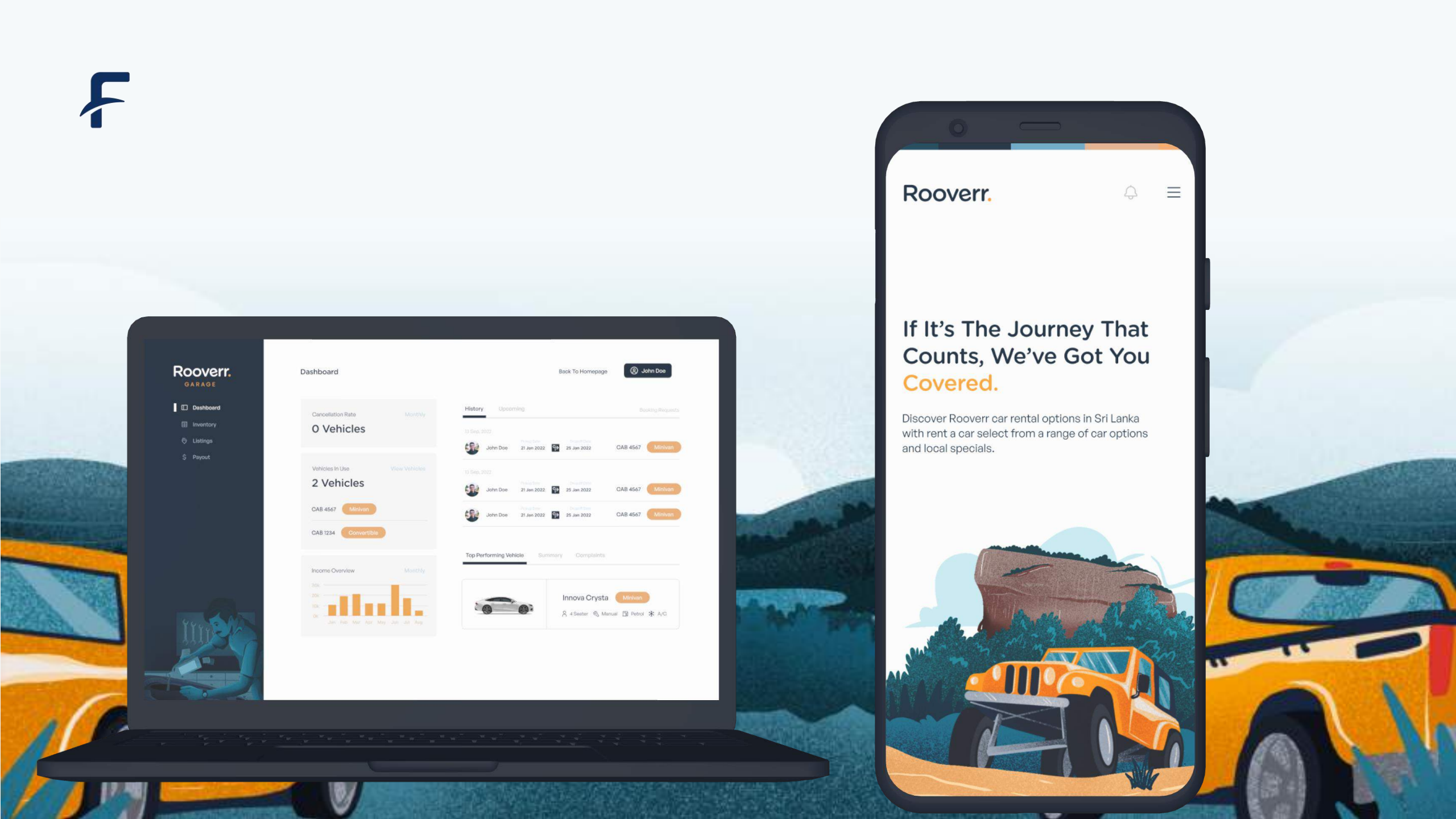
**Client Description**
Startup based in Colombo, Sri Lanka

**Project**
Rooverr, is a web-based platform that provides a convenient taxi booking system. The application includes, real-time booking management, payment handling and scheduling.

**Tech Stack**
ReactJS, NestJS, PostgreSQL, Docker, Terraform, AWS

**Our Engagement**
Complete software architecture, engineering and quality assurance are handled by Fcode Labs.

Fcode Labs


Rooverr.
GARAGE
Dashboard
Inventory
Listings
Payout
Dashboard
Back To Homepage
John Doe
Cancellation Rate
0 Vehicles
Vehicles In Use
2 Vehicles
CAB 4567
Minivan
CAB 1234
Convertible
Income Overview
History
Upcoming
John Doe
21 Jan 2022
25 Jan 2022
CAB 4567
Minivan
Top Performing Vehicle
Summary
Complaints
Innova Crysta
Minivan
4 Seater
Manual
Petrol
A/C
Rooverr.
If It's The Journey That Counts, We've Got You Covered.
Discover Rooverr car rental options in Sri Lanka with rent a car select from a range of car options and local specials.

CASE STUDY

# Field workforce management for Sri Lankan conglomerate

**Client**

David Peiris Group
- David Peiris Motor Company
- Assetline Insurance
- DP Infotech

**Client Description**

No of Staff: **10,000+**

**Project**

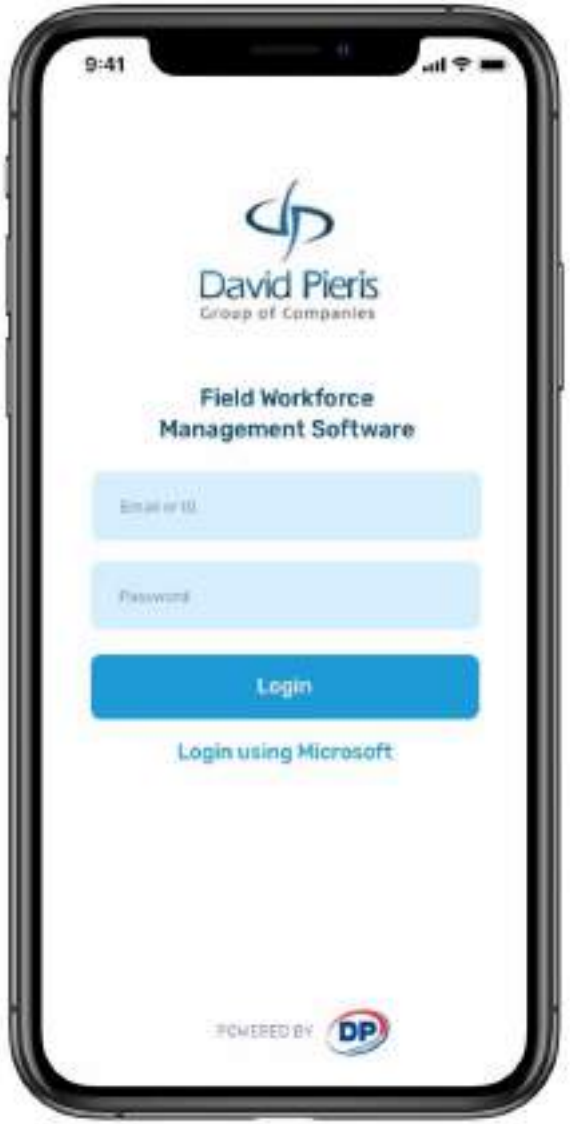
FWMS is an internal system to manage, track, and audit employee tasks in the group.

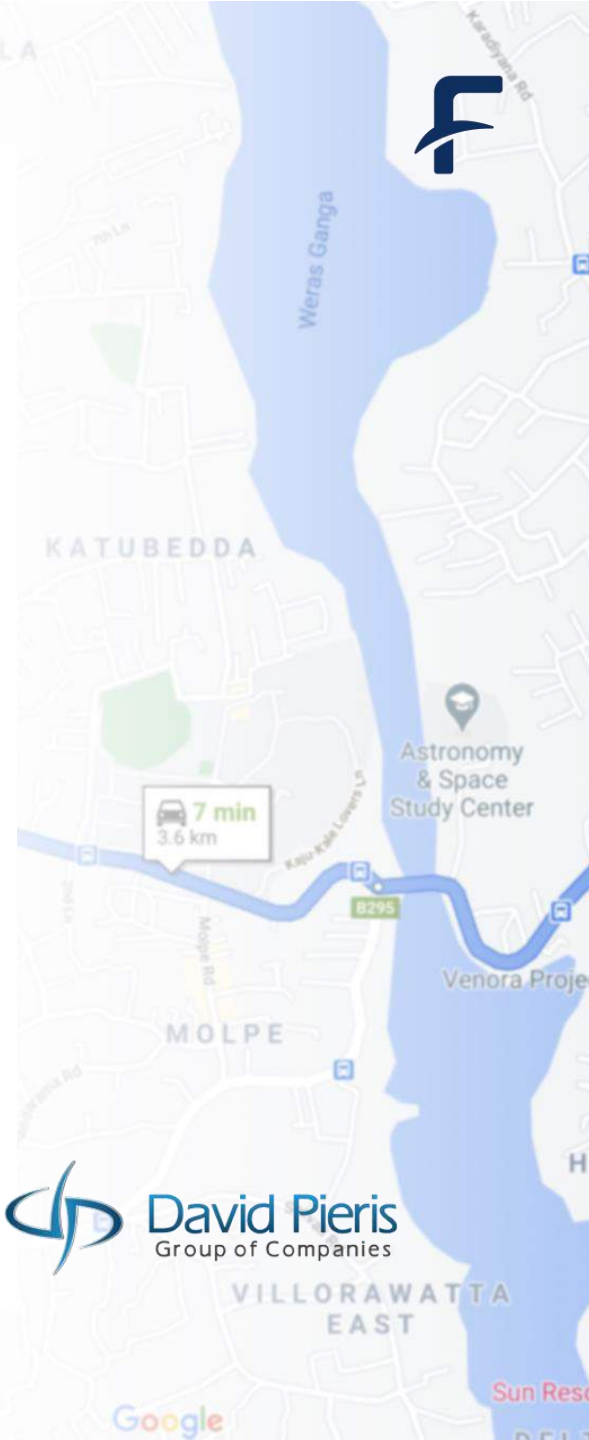
**Tech Stack**

Flutter, ReactJS, MaterialUI, Serverless, ExpressJS, Firebase, GCP

**Our Engagement**

Complete software architecture, engineering, and quality assurance, are handled by Fcode Labs. Live on all above companies



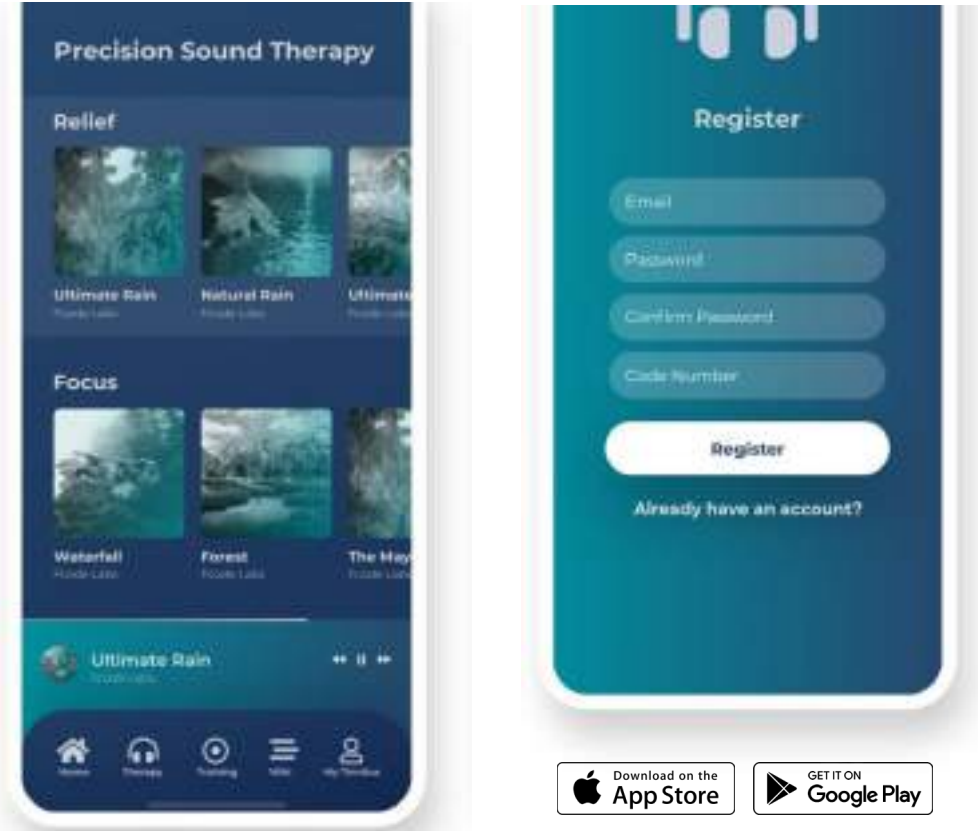



CASE STUDY

# Patented technology to treat Tinnitus

**Client**
University of Auckland, New Zealand
&
Maia Limited

**Client Description**
No of Staff: **5,900+**
Rank: **Top 100 Global**




**Project**
UpSilent is a web & mobile-based application designed to remotely monitor, track and treat Tinnitus. (A hearing impairment)

**Tech Stack**
Flutter, ReactJS, MaterialUI, Serverless, Firebase, GCP

**Our Engagement**
Complete software architecture, engineering, quality assurance, and Data Compliance (HISO) are handled by Fcode Labs.

## 3D Sounds Library

Open-source Flutter 3D sounds library developed by Fcode Labs can be found here.

CASE STUDY

# Social Motion : A Canadian social fitness app

**Client**
Social Motion Inc, Canada

**Client Description**
Startup

**Project**
Social Motion is a mobile-based platform to promote better transportation & recreational infrastructure

**Tech Stack**
Flutter, ReactJS, MaterialUI, ExpressJS, Serverless, Firebase, GCP, GIS

**Our Engagement**
Complete software architecture, engineering, and quality assurance, are handled by Fcode Labs.

*Drawn using the app

# Fine Drawing at its Best!
# Drawing GIF

Creative App by **Fcode Labs.**

Download on the App Store

GET IT ON Google Play

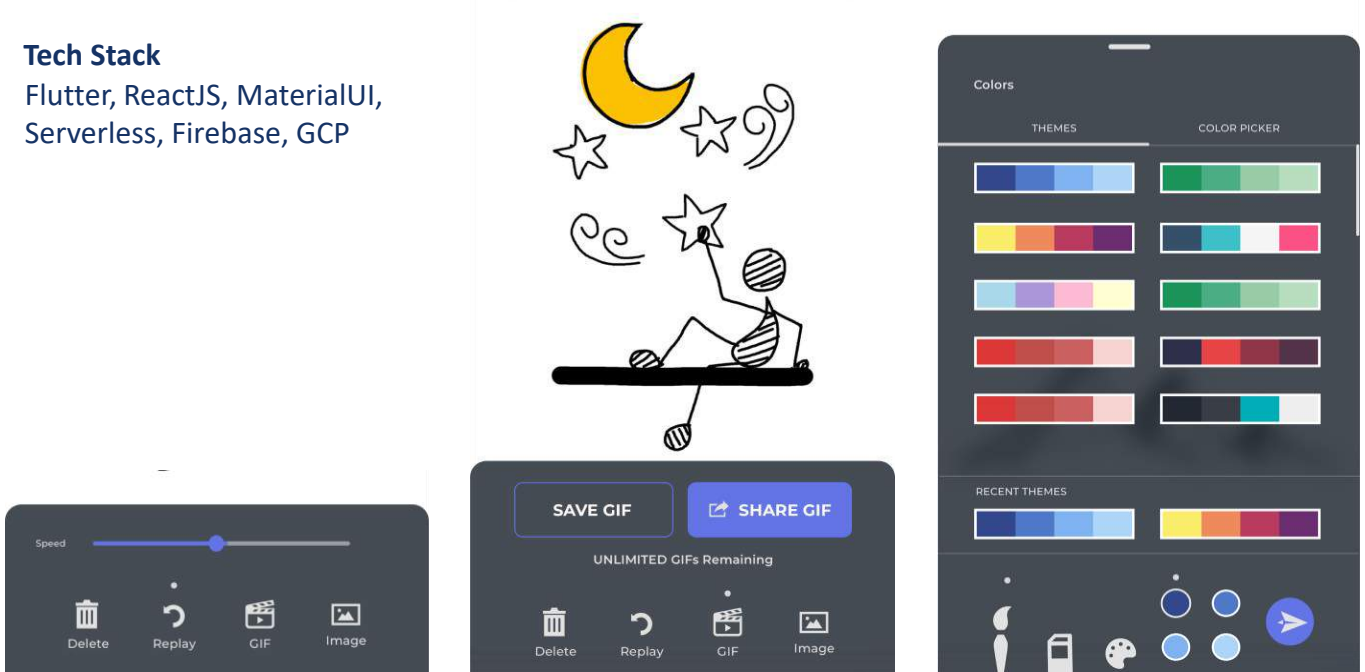
Use our drawing desk with an awesome color palette to draw your best painting today

**Features**

- Intuitive interface to sketch
- Instant GIF creating from Drawing.
- Pre-drawn templates.
- Easy color palettes with themes

**Tech Stack**

Flutter, ReactJS, MaterialUI,
Serverless, Firebase, GCP



# Tech Stack

TypeScript
aws
mongoDB
node
JS
Google Cloud Platform
MySQL
nest
kafka
redis
kubernetes
Kendo UI
android
iOS
React
ANGULAR
Dart
Flutter
Mac OS
TensorFlow
PyTorch
mxnet
OpenCV
Keras
NLTK
CNTK
learn
ethereum
CARDANO
polygon
SOLIDITY
IPFS
Fcode Labs

# Thank You!


**Visit us**
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