


Automatic Student Detection and Attendance Control

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01 Business Model.

Saas Model

ClassTrack is a cloud-based attendance control system that leverages facial recognition technology to simplify and accurately track student attendance for schools and educational institutions. Schools can monitor attendance in real time, manage records efficiently

- Scalability as a SaaS Solution.
 - Multi-Tenancy Options: The SaaS platform supports multiple institutions within the same architecture.
 - Shared resources.
 - User Management for Educational Institutions: Multi-level user management enables administrators and teachers to have access to attendance records.
 - Clear SaaS Advantages.
 - Documentation and Training Resources.
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Core Features

Facial Recognition

AI-based facial recognition ensures attendance logging

Real-Time Monitoring

School administrators and teachers can track attendance in real time from any device

Data Security and Compliance

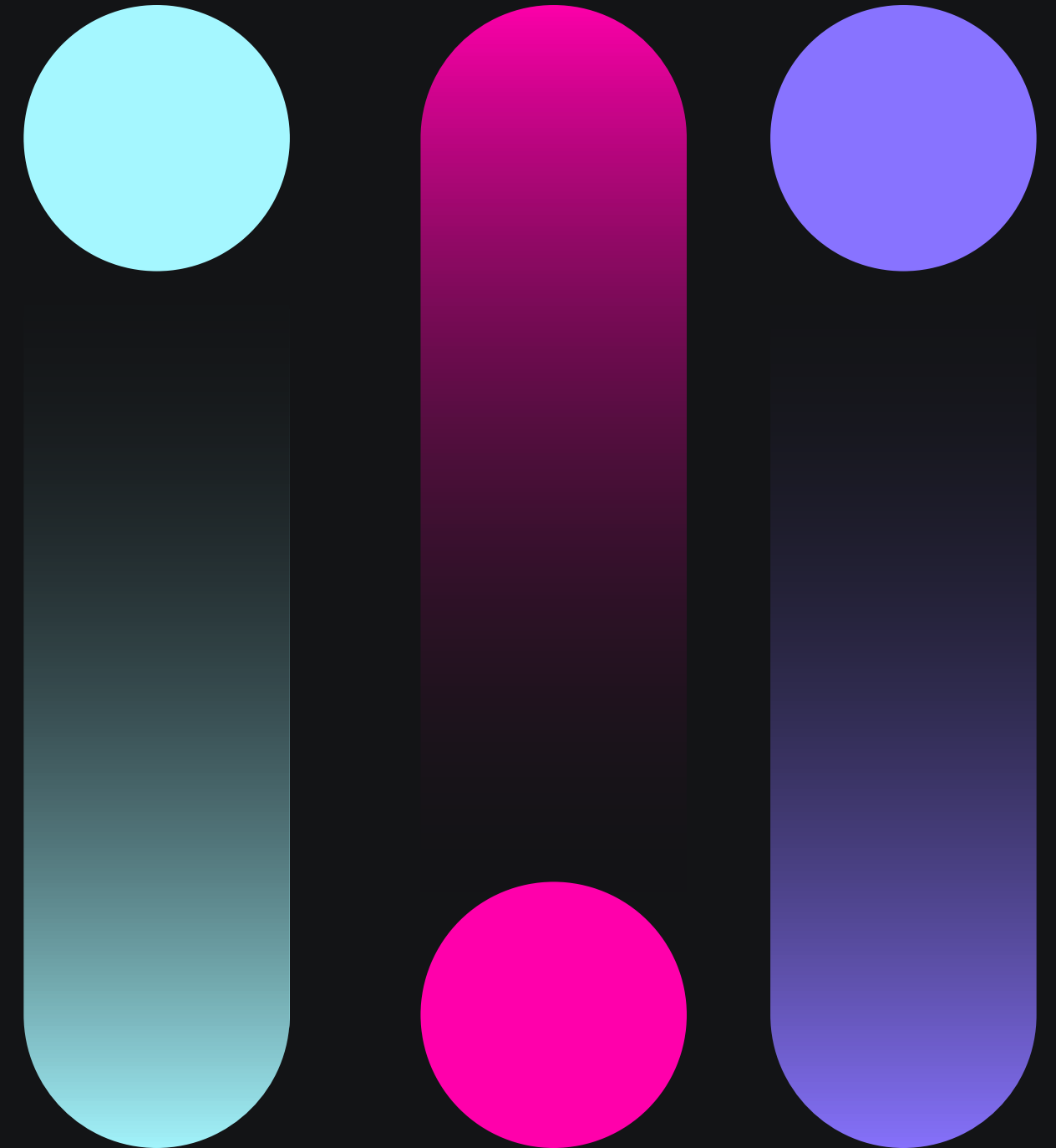
All images and data are securely stored in the cloud


Analytics Dashboard

Insights on student attendance

Value in the market.

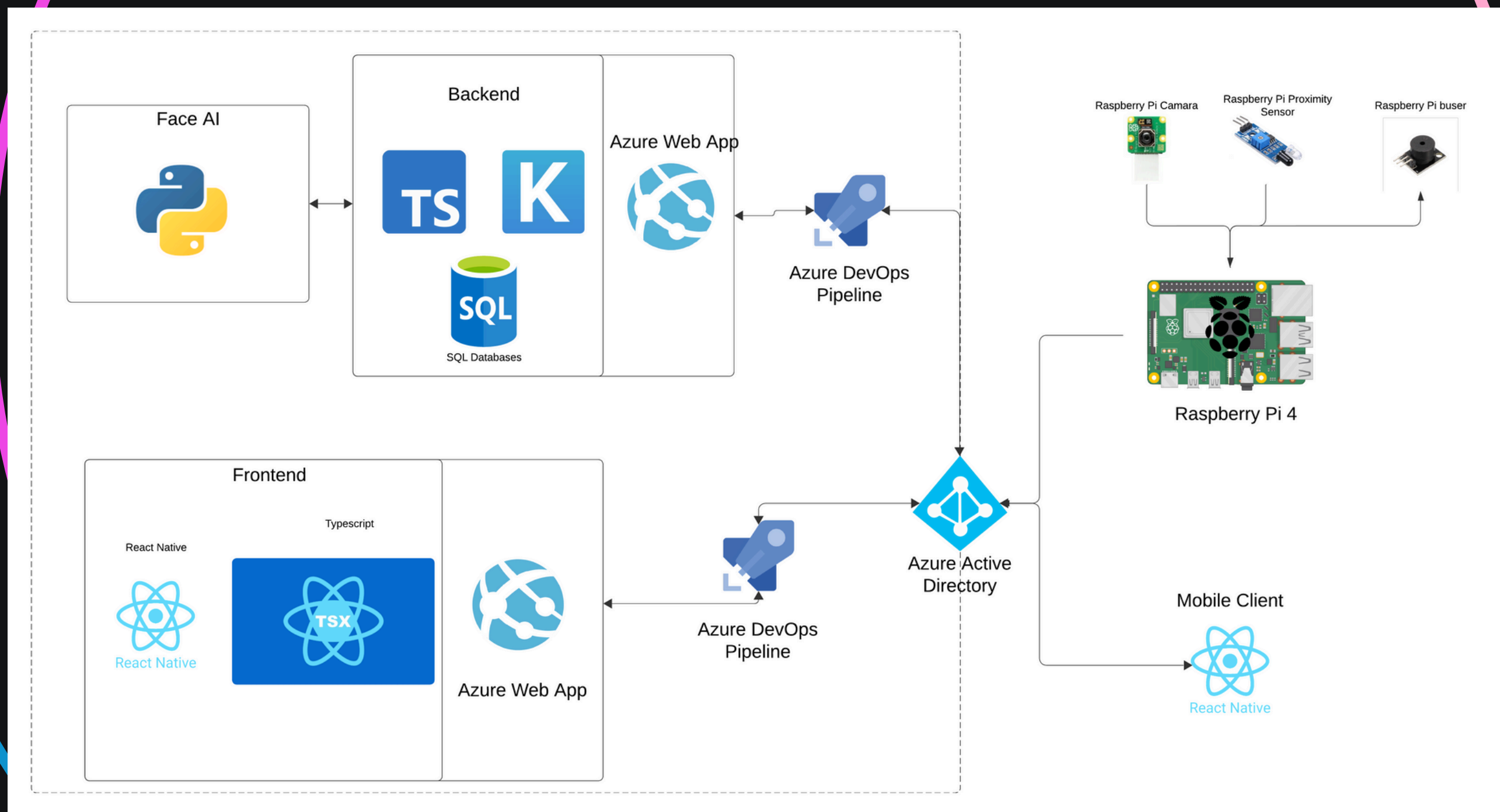
- Scalability and Flexibility
- Security and Compliance
- Customizable Multi-Device Access: ClassTrack's use of React Native and Keystone allows it to operate smoothly across devices (mobile and web)
- Ease of Setup and Use: ClassTrack's streamlined deployment and flexibility with cloud infrastructure make it faster to implement than Prysm Cloud and reduce initial costs for smaller institutions
- Traditional attendance methods: while cost-effective, are often unreliable and labor-intensive. Comparatively, ClassTrack's automated, real-time approach to attendance tracking eliminates manual logging errors, offering a higher level of accuracy and efficiency





02 Proyect Explanation.

Resumen técnico de la arquitectura.



Technologies Used

1

Frontend

React Native, TSX, Expo, Azure Web App

2

Back-End

Keystone framework, TS, Azure, SQL, Web App

3

Mobile Client

Expo


4

Raspberry Pi

Raspberry Pi camera, proximity sensor, buzzer



03 Live Demonstration.



04 Real time functional project displayed on azure.



05 Technical and operative questions.

Thank You

