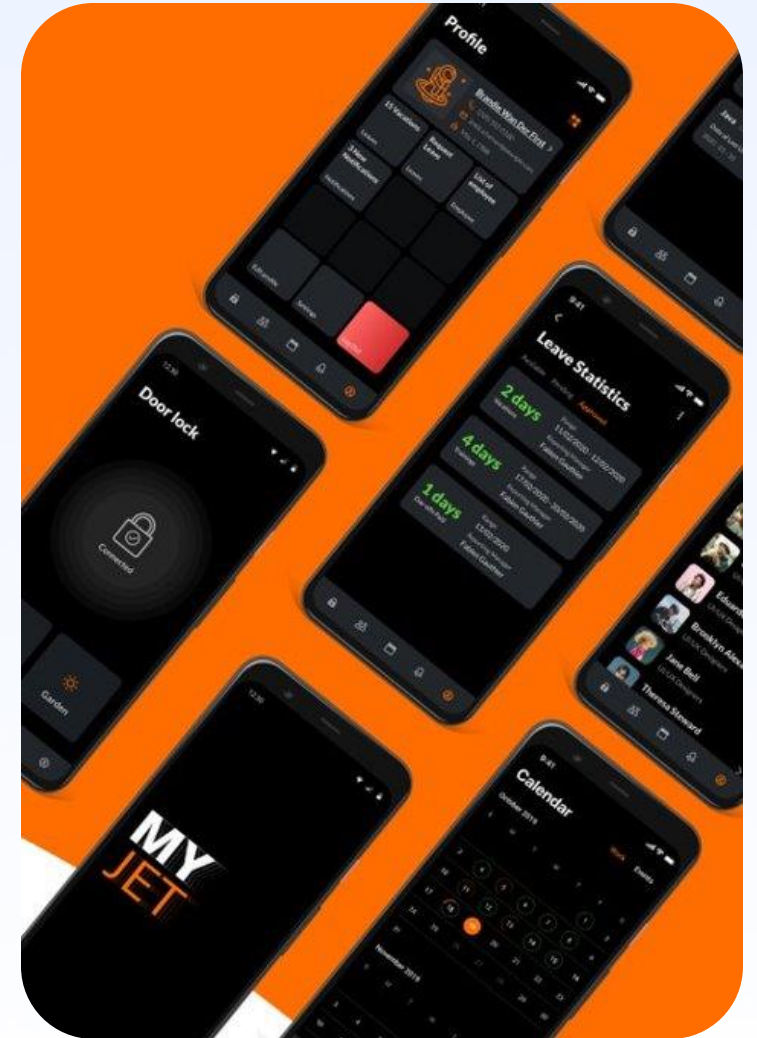# MYJET: CORPORATE ECOSYSTEM

About the project

This solution is a handy Mobile Application for employees that integrates into the company's eco-system.

It allows you to manage your leaves, check team members' contact data, see daily company updates, and open office front doors.

PROJECT DETAILS

Industry

Corporate App

Services

Digital Business Transformation
Software Product Development
Application Support & Maintenance
Integration Services
Technology Consulting
R&D and Innovation
Mobile Application Development
UI/UX Design
Security Solutions

Technologies

Node.js, Kotlin, SwiftUI, AWS Amplify IoT Core, AWS Cognito
User Pool, Combine framework, IoT Cloud service

Country

Ukraine

CHALLENGE DESCRIPTION

JetSoftPro needed a corporate mobile application that would unite functions from different corporate systems. Employees should have all the necessary information and functions related to their work in the company on their phones like HRMS system, time tracking, financial system, chat, etc. It must back employees up in situations when they are out of the computer.

SOLUTION DESCRIPTION

We created an app MyJet, that is already integrated with our HRMS's data base. We developed API for this integration, and employees have their own profiles with personal information, they can see their own available leaves, search the list of all employees and see colleague's contact information. Also, we have a hardware part which is connected to the office door. It and with the help of the app employees can open office doors and have no need in carrying keys for that.
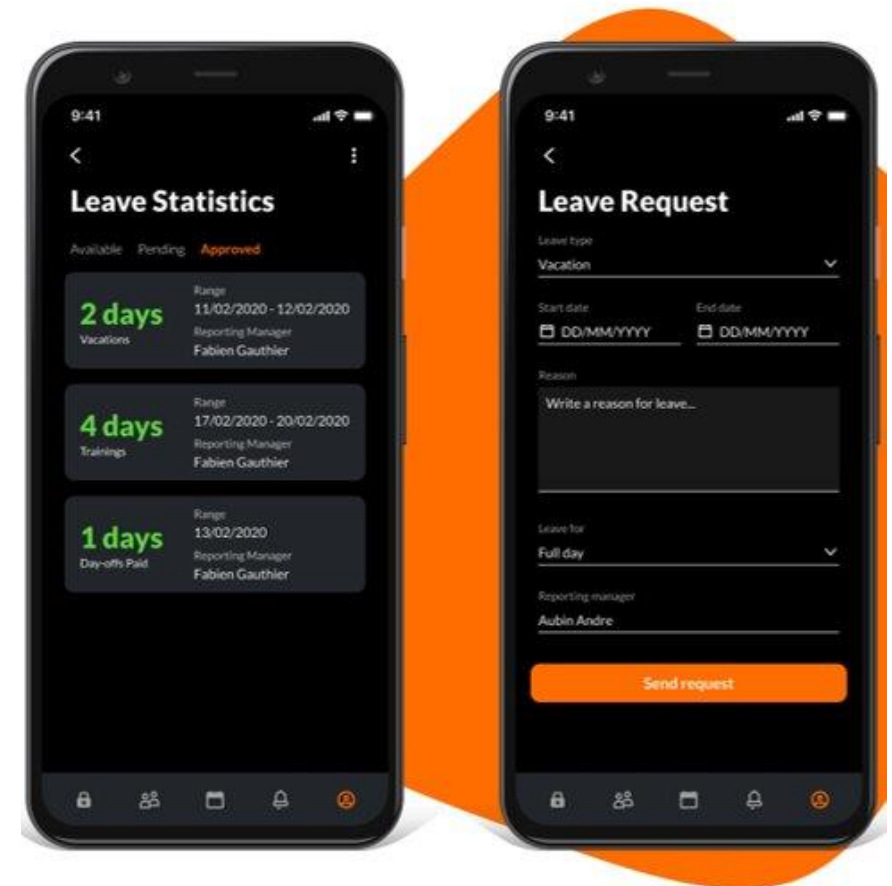
TECHNICAL IMLEMENTATION

When creating the application, we focused on security, security of corporate and personal data, and convenience for the end user.
The **AWS Cognito** User Pool service was used for authorization in the application, and since the service is connected to our user directory via **SAML-authentication**, the authorization in the application is possible only with a working email and password, which makes it impossible for a third party to access the application and facilitates UX, as you do not need to invent a new login password and use an existing one.

To increase security, an additional feature has also been introduced to install and verify the PIN code, which is re-installed each time you log in (if the user logged out) and is not tied to the device PIN code.
The user cannot avoid setting the PIN code. Further access to the application is possible only after entering the PIN code or after undergoing biometric authentication (if it is available for this device). If necessary, you can change the PIN code while using the application.