



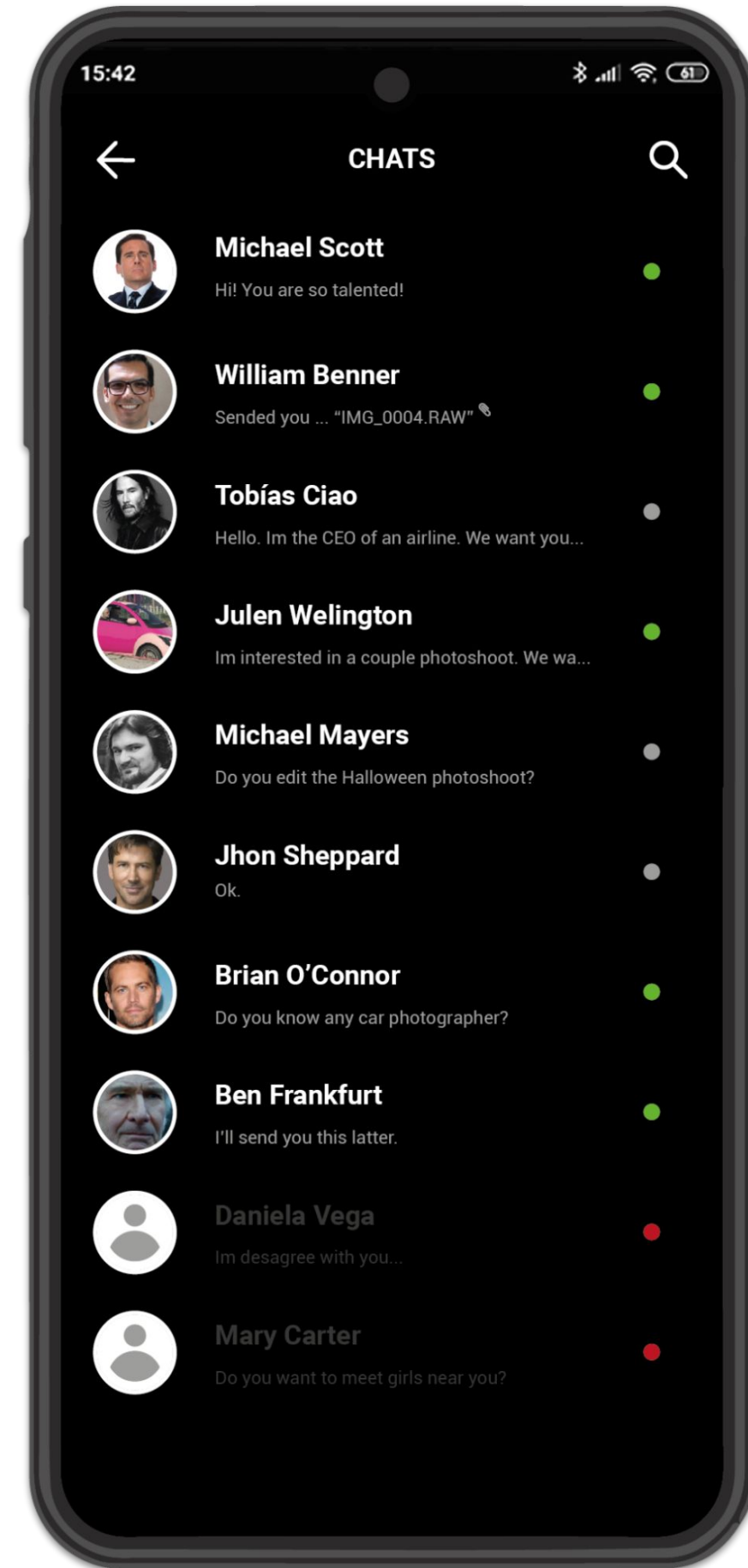
Case study

STENDART



INTERVIEW PALS

Client **Spanish startup**



Challenge

Our client has an idea to build an Instagram- like cross- platform mobile application using a serverless framework in order to reduce deployment spends. The app's purpose was the interaction between artists who have their own business (different types of projects) and those who are offering artist related services (on a free and paid base). The client previously worked with another vendor that did 40% of work with poor quality and “spaghetti code”. Besides implementing new features we had to eliminate technical debt and bring the code standart to a high level.



Core Requirements

1 Bring existing code to high quality using the best practices.

2 Lower the total cost of running and operating the app.

5 High quality pictures in the post

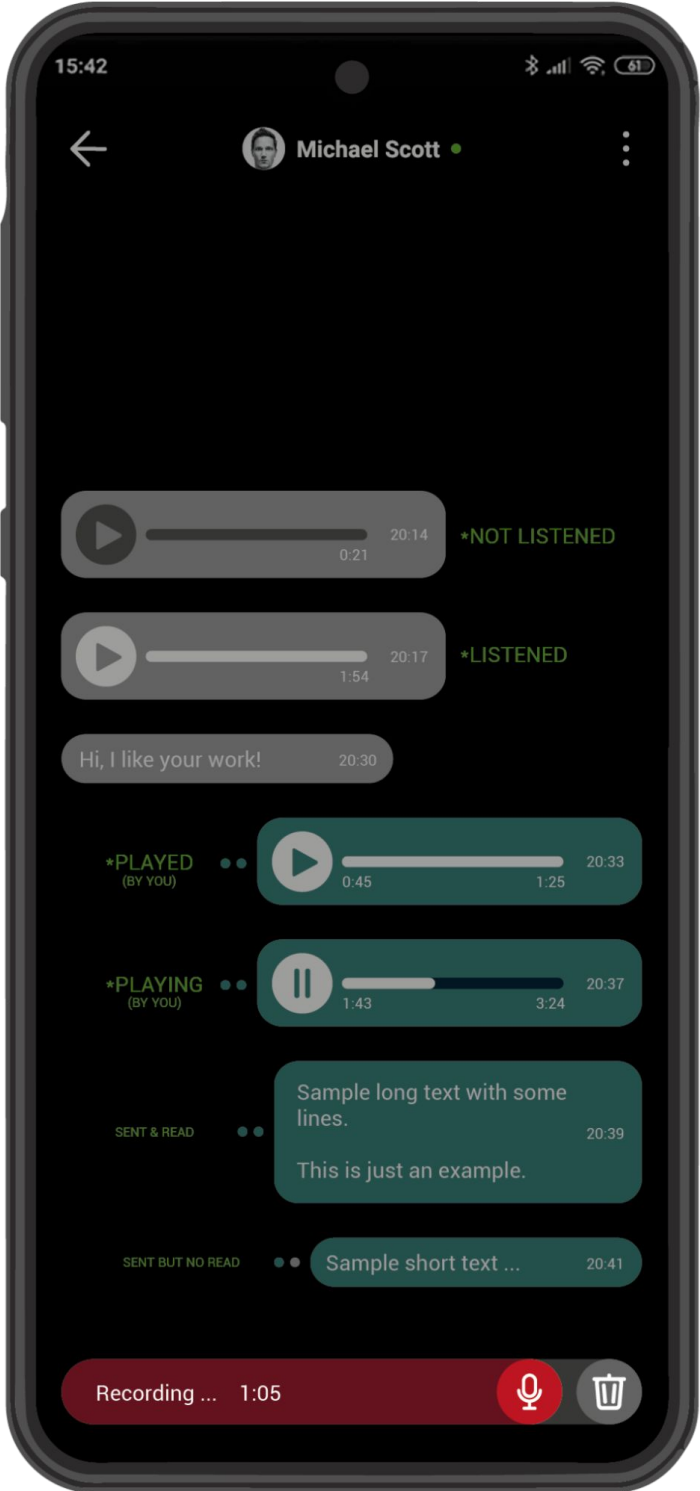
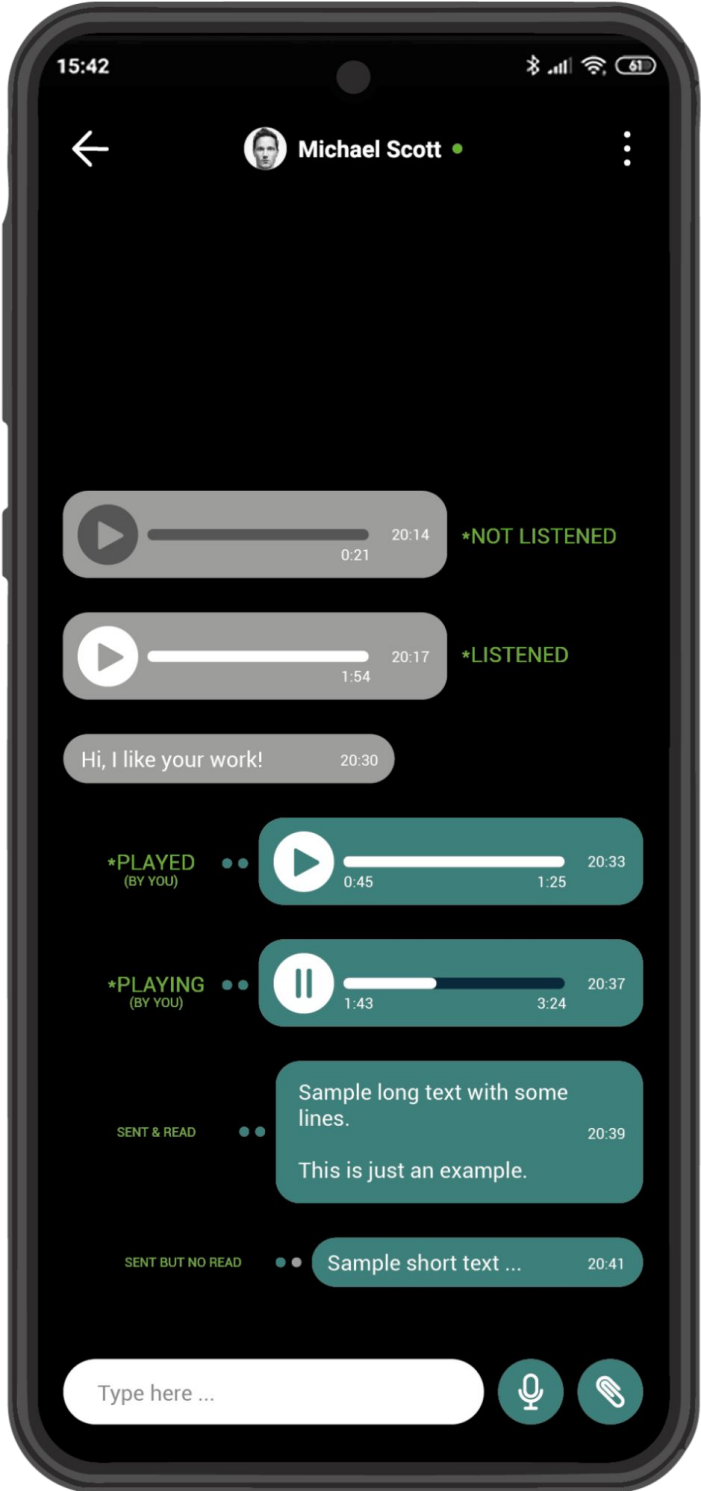
3 The application should run on Android and iOS OS.

4 Complex real-time full-text search by different criteria

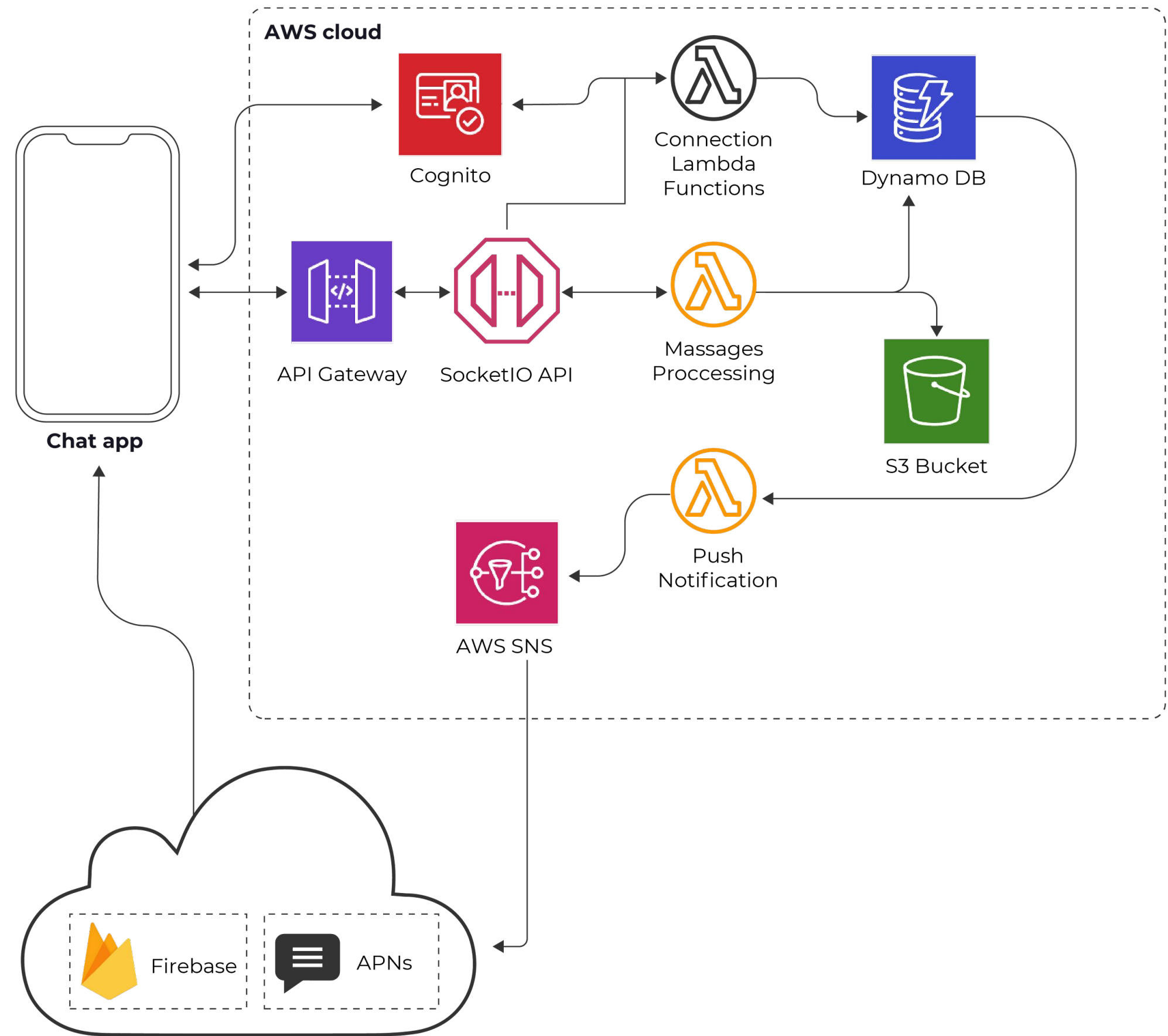
6 Real time chat communication

Solution

- Rewrite class components to functional
- Redux Saga and React Native navigation libraries implementation
- Serverless Framework usage
- Cognito authentication service implementation
- Opensearch implementation
- Socket API and Dynamodb streams usage



Architecture

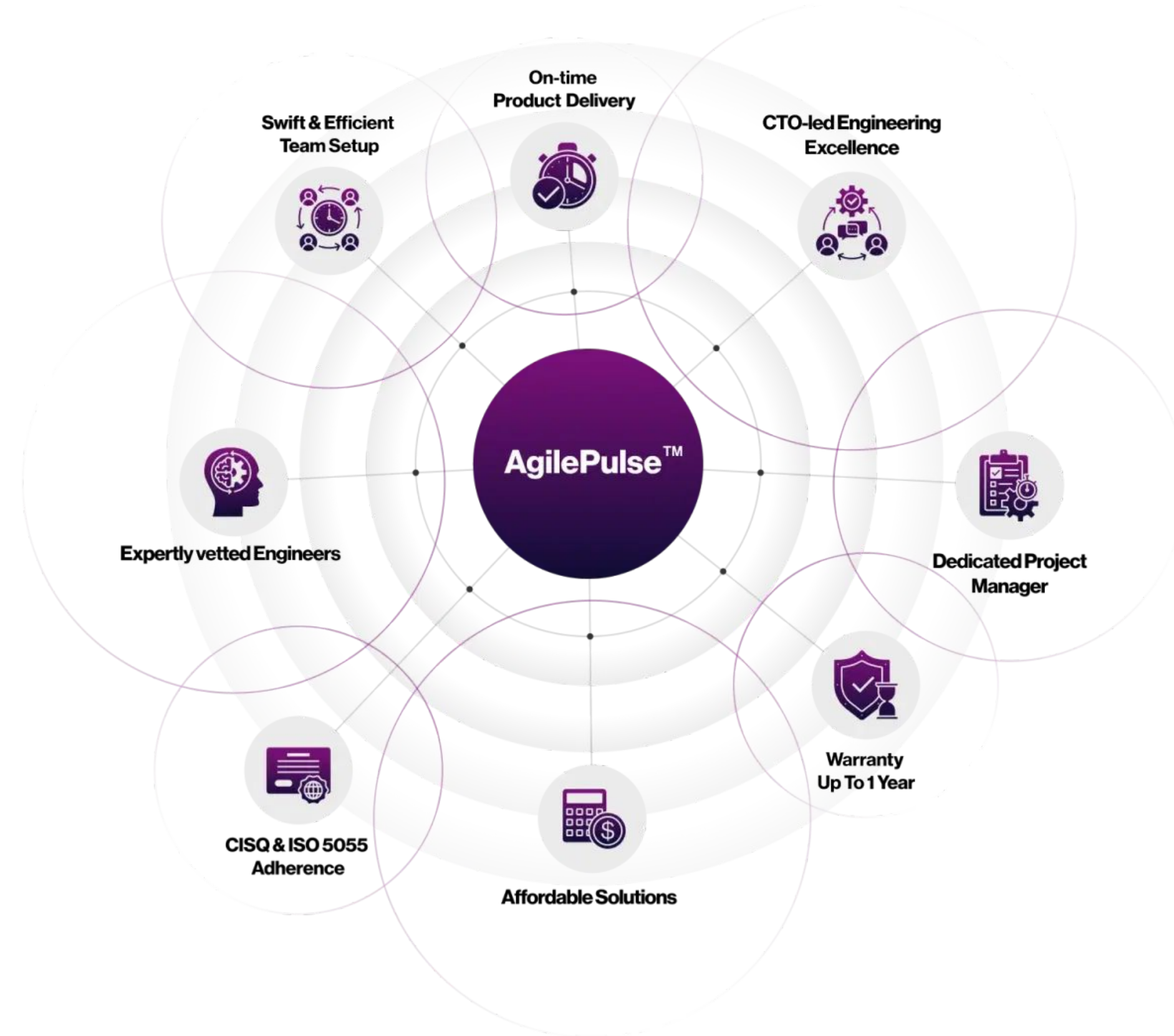


Benefits of Clover Dynamics

At Clover Dynamics, we believe in building long-term relationships with our clients through exceptional customer experience. We provide a full cycle of product development services & Team Extension, that go beyond coding and into the realm of delivering value. Our team of skilled professionals is dedicated to helping our clients achieve their business goals through innovative technology solutions and unparalleled customer experience.

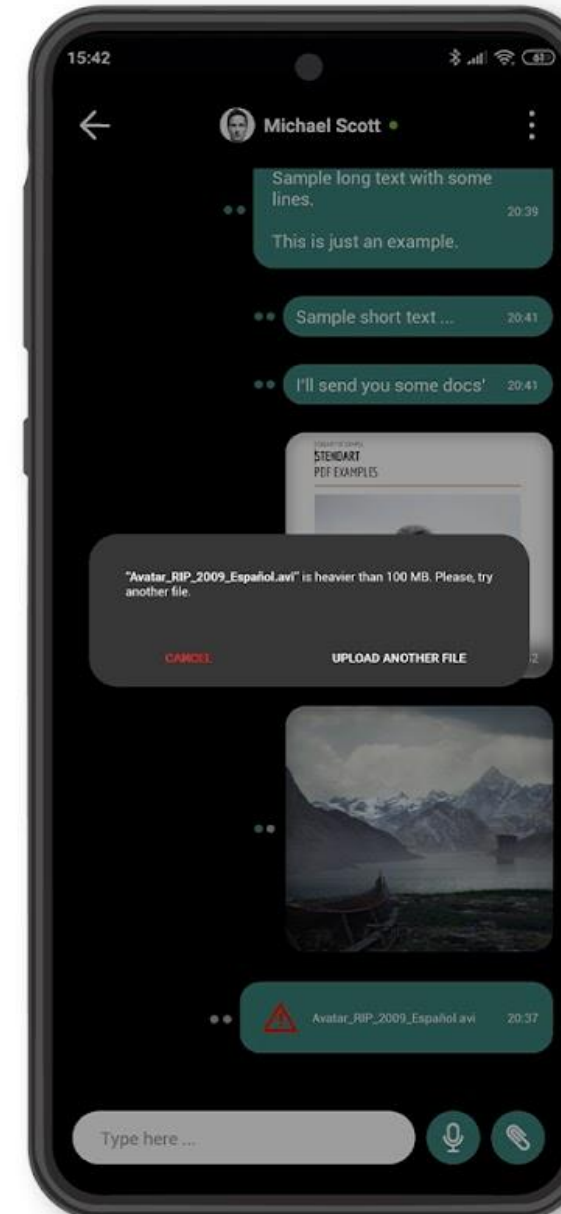
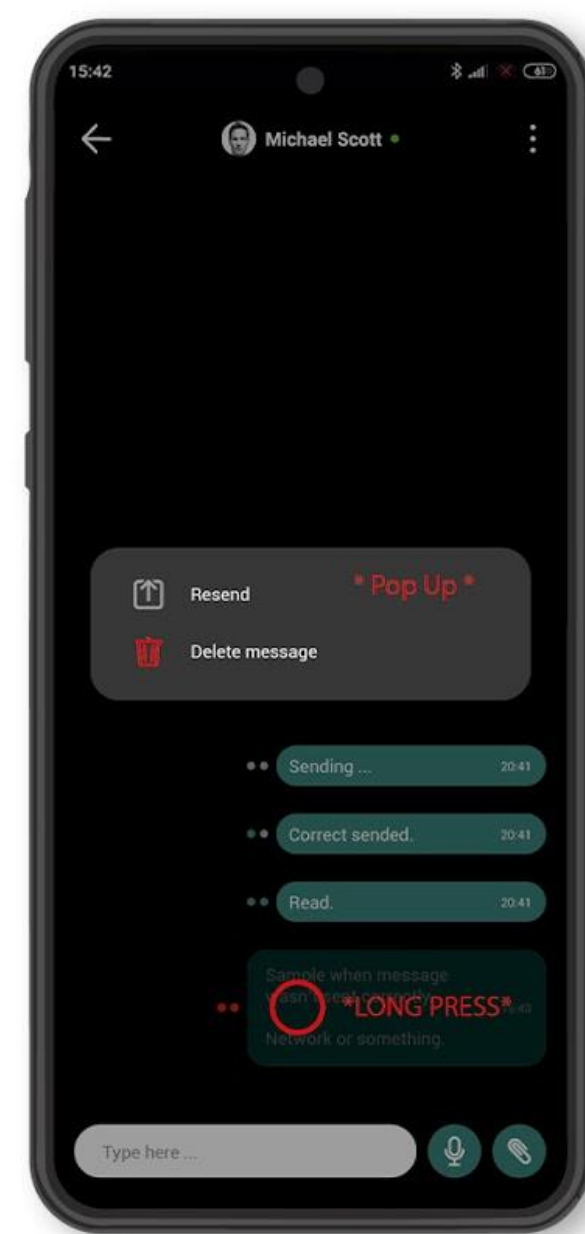
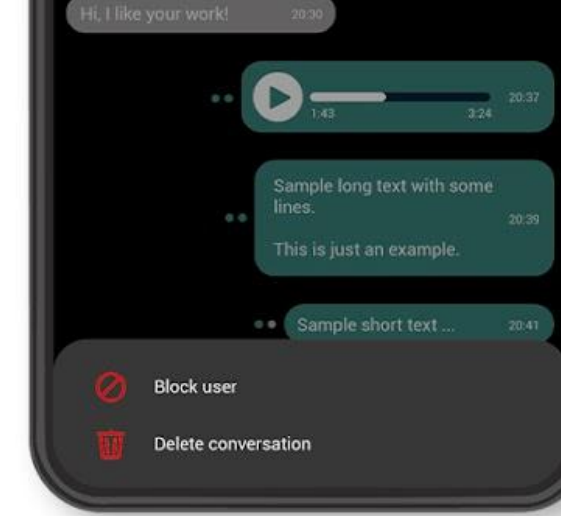
Drive your project to success with CTO-led engineering excellence, ensuring that every aspect of your development is guided by top-tier expertise and precision. Our expertly-vetted engineers are selected through a rigorous process, guaranteeing that your team is composed of subject matter experts dedicated to delivering quality results. Benefit from continuous CTO oversight throughout your project, providing a layer of strategic insight and oversight that sets the standard for excellence.

Let's talk! →



Features

- Account profile of the artist with portfolio
- Social feed with possibility to like, comment, tag
- Create and choose the artist for the project
- Apply, participate at the project and get a rating
- Chat with the artist with extended functionality
- Complain policy for the post
- Managing several artist's roles in one account



Process

Discovery Phase - to take over the process of further app development the team had a need of thorough app analyses, technical debt assessment, the approach to improve app scalability. Our QA specialist created the documentation with the current business flow and our PM complemented it with new features description that was put on user stories with acceptance criteria.

Solution Implementation: Clover involved two React Native engineers to speed up the process of technical debt shrinking. Back end engineer resolved challenges with websocket connection resilience and Open search setup.



Deliverables

- Code documentation in form of method and class comments
- Intellectual property
- Source code
- Team performance reports
- Test and demo environments
- Test cases document



Technologies



Services

- Custom Mobile Development
- Project Management
- DevOps
- Quality Assurance

Country

Spanish

Status

Final stage of MVP version

Team

Engineering

- 2 ReactNative Developers - 40 hours/week
- 1 Backend Developer - 40 hours/week
- DevOps - 10 hours/week
- QA Engineer - 20 hours/week

Management

- PM - 10 hours/week

Business analysis and work with SRS

- BA - 60 hours

Duration

5 months

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We at Clover Dynamics are not just committed to delivering exceptional software solutions, we're also dedicated to fostering lasting partnerships. Looking forward for the opportunity to work together and create something truly remarkable



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