Case Study

Software Development

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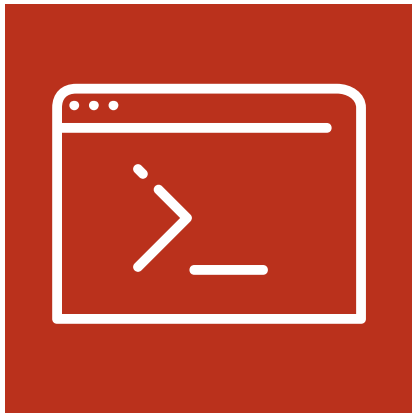
Technologies

- **Objective C**
- **Swift**
- **Java**
- **Jitsi**
- **XMPP**
- **Openfire**
- **Javascript**

Services Provided

- **Development Team**
- **Software QA & Testing**

Problem

Client provides the banking and finance industry with an information security and tracking service anywhere, any time and on any device. Client's enabling technology allows banks to drive new revenues, reduce risk and support compliance efforts.
Client adds a security layer on top of existing applications, reinforcing the security of every byte of data while leveraging existing technology investments.
The scope of this project was to extend the app functionality with the voice messages, registration of the new user by the direct link and continues chatting with them, chat flow stability and improvement of performance.

Development Requirements

- Fast Performing solution on a platform
- Quick user interaction
- Easy rollout of new features
- Adjust size of the data storage

Development Solutions Implemented

- Rollout of new features: voice messages, onboarding of new users, white labeling
- New versions of platform: backend, admin page, iOS and Android native apps
- Refactored code base
- Major crashes fixed
- Scalability of the platform

Results

- Platform performance improvements
- Implemting of new protocol for voice memos.
- Optimization of data transferring flow on the platform
- Implementing of Compression formats for better transfer

- Ability to create white label applications for private clients
- Protocol to support sessons for invited users

Solution

The initial ramp-up of the project was challenging. Critical bugs existed in production and the time taken to fix issues exceeded business expectations. The goal was to improve the current platform, create a scalable ecosystem that would provide ease of expandability for new features. The first step was to ensure platform stability. Through upgrades to the system by code refactoring and architecture revising to improve the paltform we were able to:

- Fix Memory leaking issues
- resolve security cases
- create stable foundation for future development

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