

## CASE STUDY – MOBILE APP FOR RAILWAYS

**Client:** Ukrainian Railways.

**Period:** April 2016 – now.

**Problems** The main problem in development was integration to existing booking services that had pure documentation and were developed many years ago. So we had to make reverse engineering of existing customer's solution.



**Solutions** Develop mobile application, that will allow customers to buy and book tickets.

**Technical background** SWIFT for iOS, native JAVA for Android, postgresql, JAVA, ejabberd, Amazon AWS, Amazon s3 on backend.

**Team** 2 iOS and 2 Android developers, 1 Java backend/DevOps, 1QA & 1PM.

**Terms** 3,5 month of mobile development and 2,5 month for backend.

### Our services provided:

Mobile application for both platforms (iOS and Android) including backend development for Ukrainian Railways. Application includes new list of features:

- online tickets booking.
- integrated payments from application using credit cards.
- loyalty program.
- user sign-in, sign-up, restore password features.
- return ticket feature.
- push notifications.
- importing tickets to Apple Wallet.
- social networks API's integration.
- geolocation, navigation and maps features.

Application connected through REST API to custom backend created on JAVA and placed on AWS monitored by Zabbix.

### Results:

- ✓ Provided customer with a new sales channel
- ✓ Increased online traffic
- ✓ Improved brand loyalty, providing clients with easy process of booking and buying, intuitive UI, and valuable information