Applications that I wrote.

1. iConfig
When you set it properly with your WiFi network and USB WiFi Card it automatically install drivers after you plug USB stick and connects you to specified WiFi network.

Used technologies: Borland C++, VCL, GDI+, threads, WinAPI to handles wifi operations

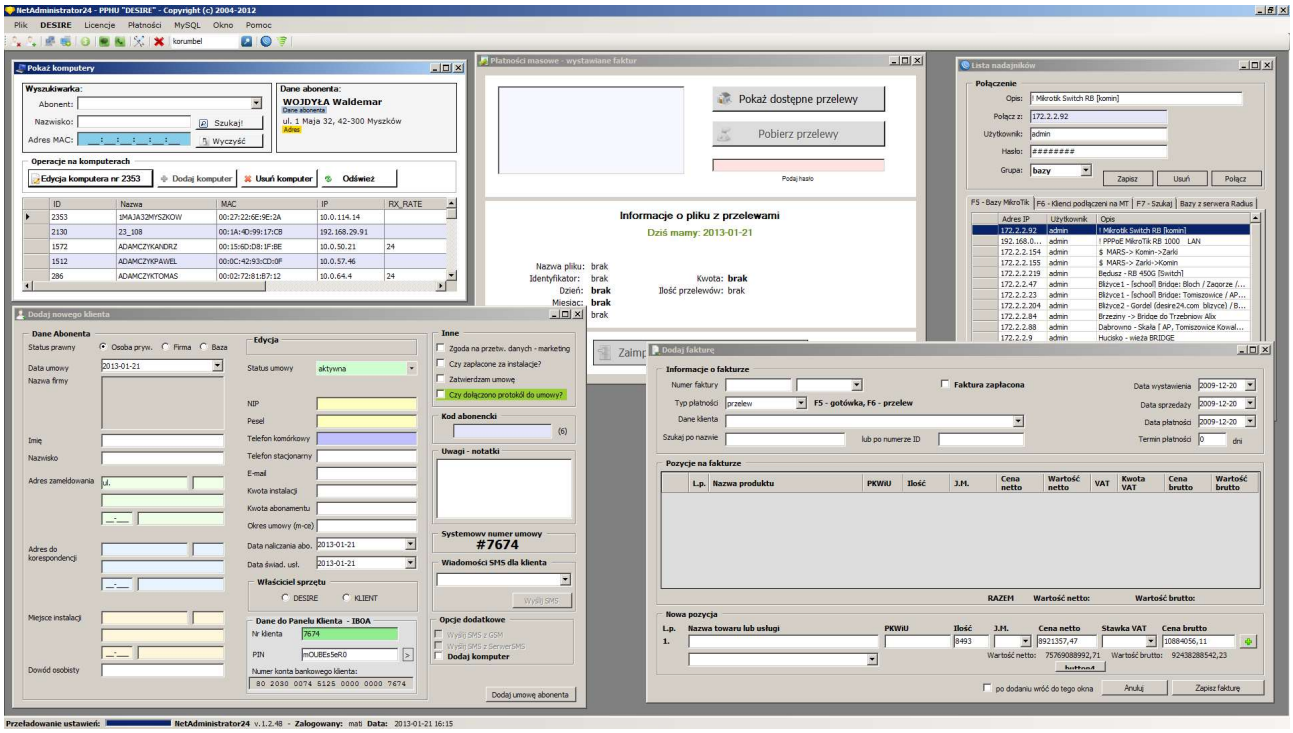
2. iConnect24
PPPoE manager. Many ISPs using PPPoE protocol which forces you to provide username and password. This app creates and configure PPPoE connection in Windows and take care about keeping connection alive. Used technologies: Borland C++, VCL, GDI+, WinAPI, COM+, threads

3. Multiplatform communicator (C++, Qt, NetBeans, POSIX Sockets, PThreads)

Company communicator which allows you to contact with customers. People from company can talks with each other and with customers. Customers can talk only with people from company to ask something or solve some problem.

Client was written in Qt, using QtCreator.
Multithreaded Server was written in NetBeans IDE using pure Linux POSIX sockets and threads.

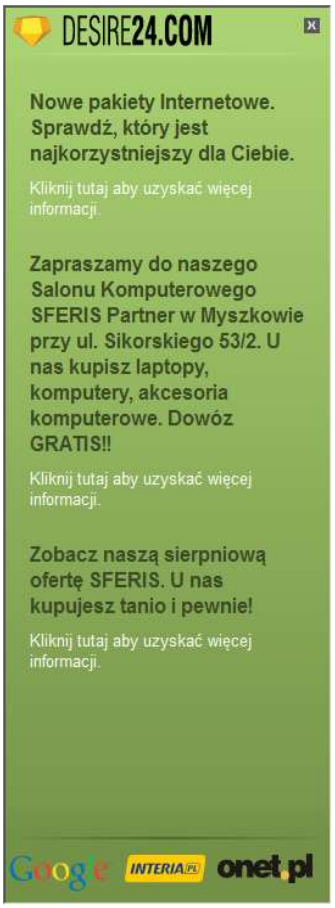
4. NetAdministrator (C#.NET, mysql connector, SOAP, multithreaded)

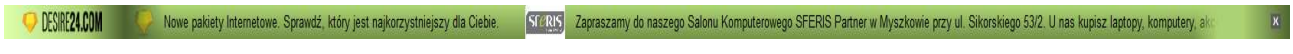


It's large MDI application that help ISP company to manage customers and networks. Functionality is very various, from adding customer to print invoices or checking bank account.

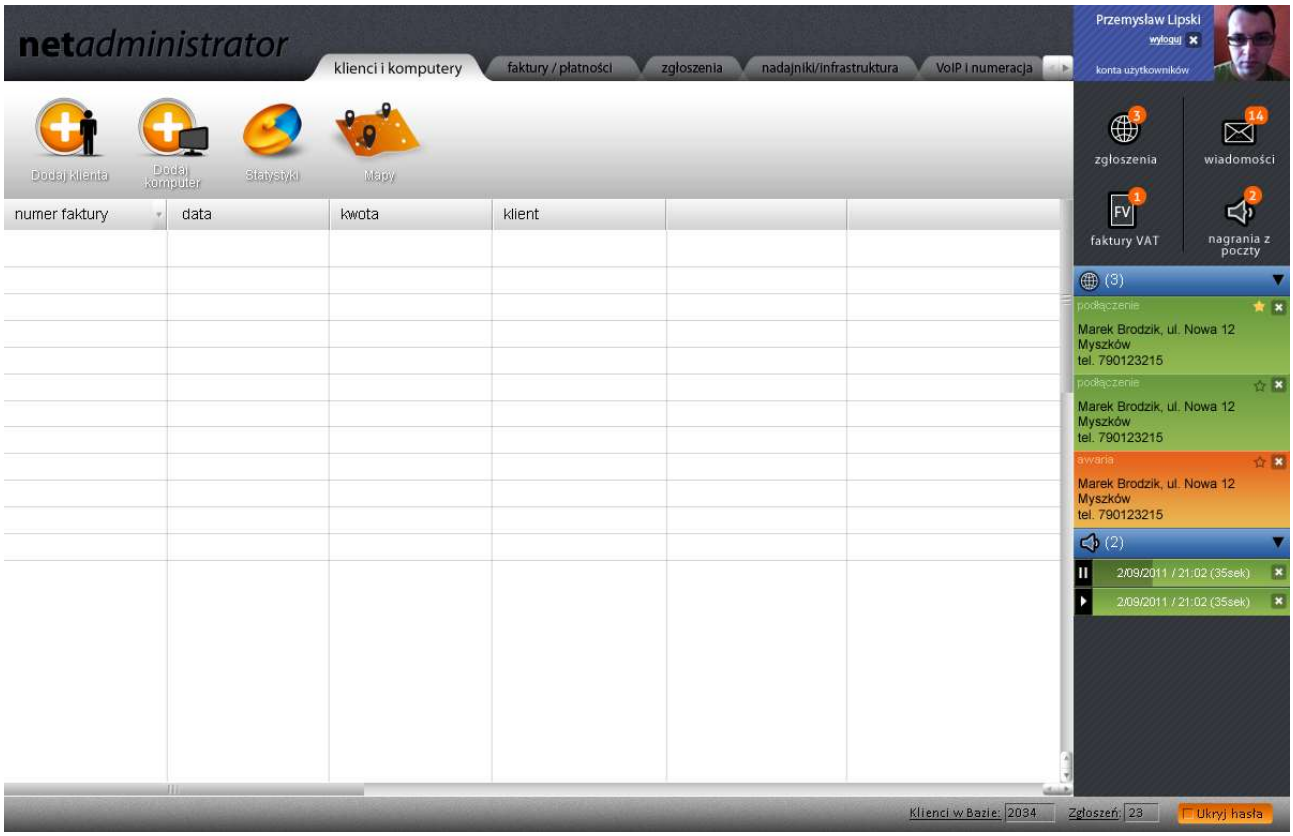
5. InformationBar (C++, Qt)

Simple application that's reading xml file on server and displays informations. All configuration include colors, timers speed, icons and text is contained in remote file. App have two views: window and bar.





6. NetAdministrator2 (C++, Qt, threads, plugin based)

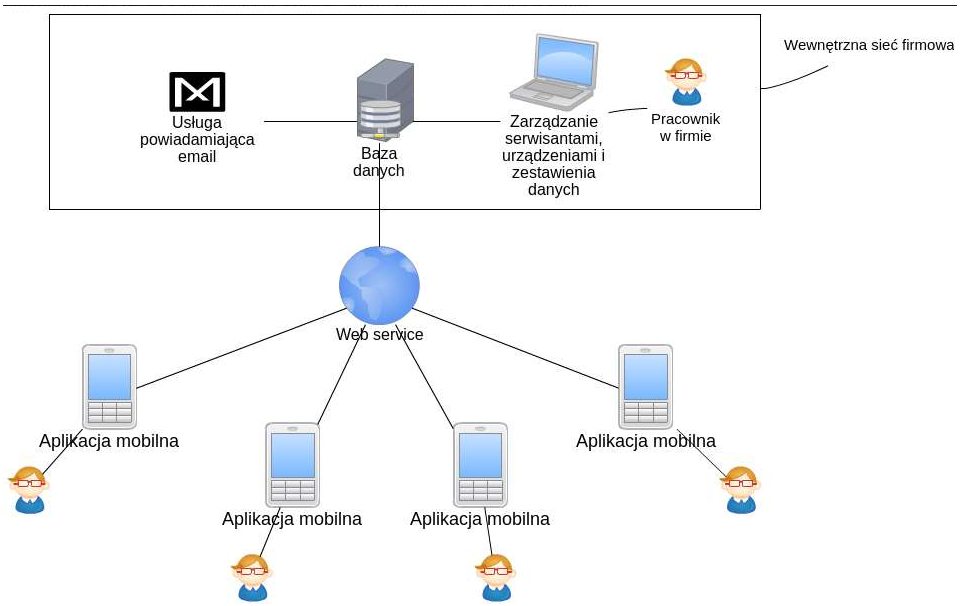


Application for managing employees, customers, invoices etc. Basically it's a second and better version of previous application. It uses many technologies/libs like Qt, OpenSSL, Botan, C++ Boost Libraries, SOAP etc.

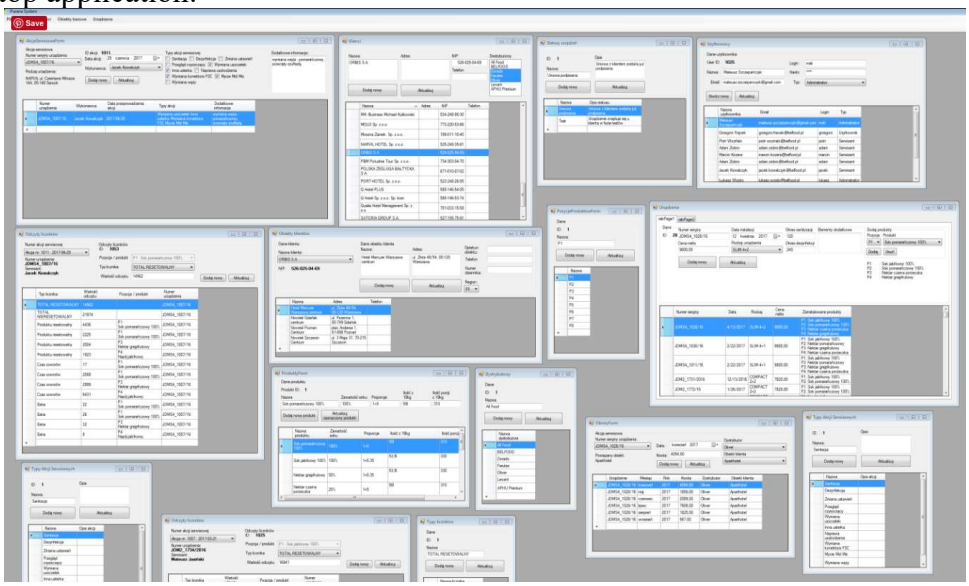
7. Belfood Purena System (Multipart system for maintaining history of devices in Belfood company). System consists of 5 separated elements:

1. Mobile Android application which is used to adding service actions to the system. (written in Java)
2. Desktop application written in C#, which is used to perform all actions inside the system like adding and configuring customers, devices, performing service actions etc.
3. WebService written in C# Web API. This piece is responsible for communication between an Android application and server database.
4. Report Service is responsible for sending weekly and monthly emails with all necessary system data. (devices, service actions which needs to be performed soon etc)
5. Microsoft SQL Server database which is installed on Windows Server machine.

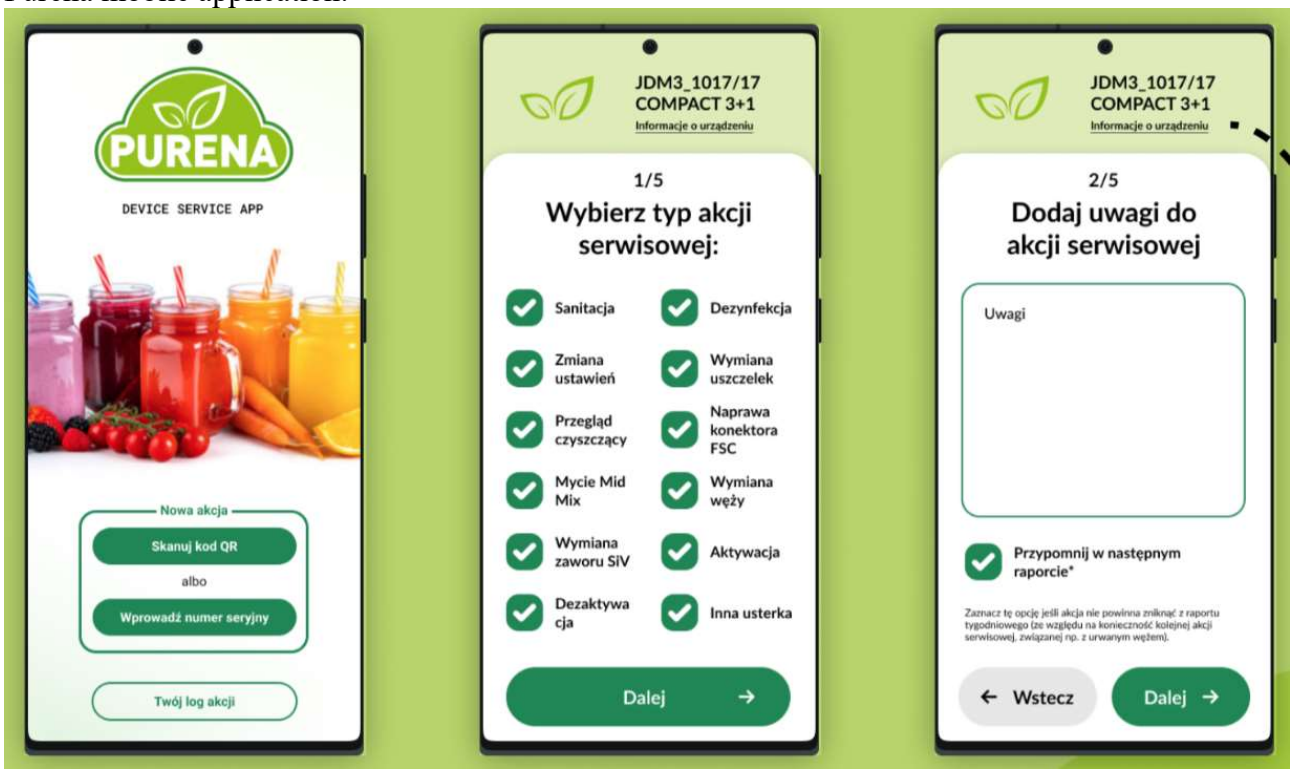
General system design:



Purena desktop application:

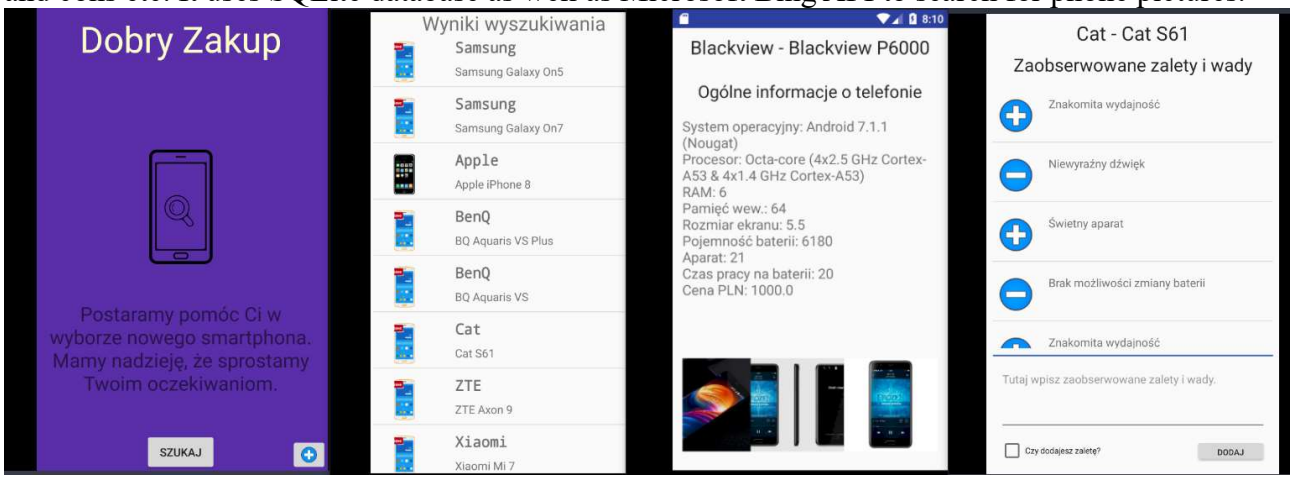


Purena mobile application:



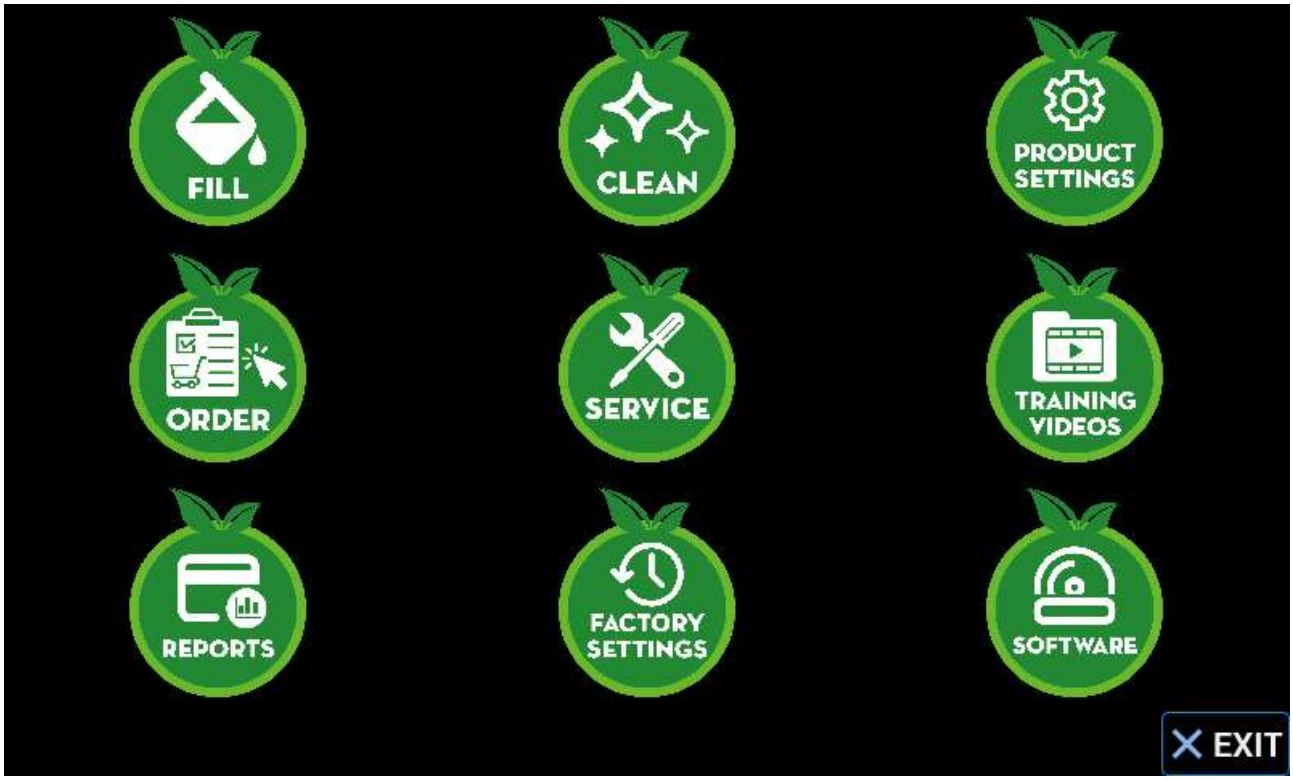
8. "Good choice" application

Application written in Android to help with searching mobile phone, by comparing parameters, pros and cons etc. It uses SQLite database as well as Microsoft Bing API to search for phone pictures.

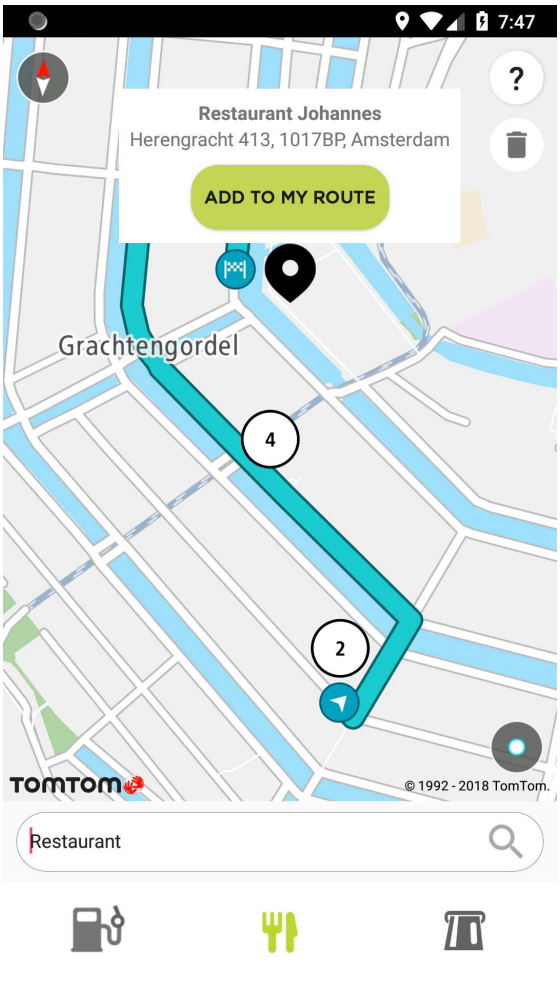


9. Purena Connect

Purena Connect is a new juice dispenser machine with touch display, built using Raspberry Pi and Qt Framework. It uses GPIO pinout to control juice and water pumps. It have a lot of features including remote product settings and updates.



10. Search along the route
Simple Android and iOS demo application which is searching for keywords (like gas stations or restaurants) along your trip route. It was written in Java, Kotlin and Objective-C (for iOS). It's available as a tutorial for developers at developer.tomtom.com site and on GitHub.



11. Time to leave
The application calculates the time to leave previous to reaching the destination point at the desired time. It was created for Android and iOS with a tutorial article which is currently available on developer.tomtom.com portal and on GitHub.