Konstantin Kostiuk

I'm 37 y.o, and I was excited with IT for about all my life. Last more than 15 years I work as web-developer but even before I had tonnes of coding on assembler (win32 reverse engineering) and even some C++.

Main areas of my professional interests are:
   - web oriented back-end development based on micro-services architecture and REST APIs(modular monolith is also fine). Solving problem of microservices data domain constraints, designing APIs, investigating bottlenecks, optimisations.
   - game development. This is more like a hobby with a faint hope of someday developing into a professional activity. I'm using Rust language and bevy engine for my experiments so far. I was also made few experiments using three.js (https://youtu.be/yds4uD0A_IY)

I had long-time history as a front-end developer so I familiar with things like Angular, Ract/Redux and Vue.js and can also act as full-stack dev but it would be extremely undesirable.

I prefere to work in properly set up dockerised environment for each project.
I prefer composition over inheritance.
I prefer TDD and functional programming approaches.
I prefer static over dynamic typization.
I prefer desktops with large monitors over notebooks.
I prefer Linux over Windows.
In my spare time I'm playing with Rust programming language and Rust/HTLM5 gamedev. Currently, I'm searching for opportunities to switch my professional tech stack from Javascript to Rust.

Skills

JavaScript – Was my main programming language for more than last 10 years and up to recent days when I choose to switch to Rust. Over 10 years experience (so you may not waste your time asking if I know how OOP work in JS and what is closures). I have played with CoffeeScript on some little projects and was excited with it's syntax. But now we have TypeScript and for big, long-term projects I think it is "must have ". In my professional daily usage I'm using Ramda (replacer for lodash, which is a replacer for underscore) library as helper and tend to stick to functional programming principles.
CSS - valid tables-less layout, SASS, Twitter Bootstrap. However I'm not super cool in latest stuff like transition/animation and trying to stay away from this.
NODE.js – Nest.js or Express.js frameworks with TypeScript. For some projects I used inversify.io library as inversion of control container.

Ruby - RoR, Sinatra (very limited experience)

Docker – setting up dockerised environment for projects with docker-compose and traefik

Rust – is my true love over last few years. With further spread of it's popularity, I hope to switch my professional career from Js ecosystem completely to Rust one day. While I do not have commercial experience with it, I did a lot of mostly game-dev experiments but also some web-dev with axum and yew. Currently all my hobby projects I'm making with Rust.

PHP - Long time ago it was my main programming language. I have around 7 years experience working as PHP backend developer - cURL, PDO, PRCE, MZZ, Kohana, Silex, Symfony, Smarty, Twig, Mustache and so on. Luckily, those days are long gone and I hope life will never make me work with it again. My point of view and relation to PHP are close to what covered in this epic post. But still I able to understand the code and solve tasks if needed (if very-very needed).

Databases

SQL – MYSQL, PostgreSQL, Amazon AuroraDB

NOSQL - CouchDB, MongoDB. Amazon DynammoDB

ORMs - doctrine, propel, Active Record, TypeORM, Sequelize

Other

Linux - main OS for home and work. I can manage some administrative tasks: setting up, deploying, maintenance, etc...

VCS - SVN, GIT (everyday usage), Mercurial

Testing - unit and integration tests (karma, jasmine, mocha/chai/sinon, jest), e2e tests(protractor). I'm trying to use at least unit tests wherever it is possible and to work according to TDD principles.

Tools – VS Code Studio, git, lerna/nx, npm/yarn, docker-compose.

English - I have successful experience working with many English speaking teams including skype/discord/slack daily calls and writing technical documentation. Still, English is a subject to improve for me (both verbal and written).

Else - Design Patterns, DOM, XHTML, TDD, jasmine, XMPP, webRTC, webGL, Rust, Docker.

AWS – Lambdas, Cognito, AppSync, DynamoDB, Serverless, S3, cloudwatch, SNS, SQS

Profiles

StackOverflow.

GitHub

Linkedin

Also I had long history as freelancer in old years but now I'm ended with this. Here are my profiles from that time: Odesk, Freelancer

Contacts

E-mail: settydark@gmail.com

Latest contract works

Datuum → Health Fund Solutions (HFS)

Date

      Oct. 2022 — Now

Responsible for:

      Backend development. Refactoring/supporting issues on existing codebase/

Technologies:

      Nodejs, TypeScript, Lerna, Mocha,Chai, Sinon, PostgreSQL

Shelf

Date

Nov. 2021 — Nov. 2022

Responsible for:

Backend development. Implementing new features in existing codebase. Fixing bugs. Supporting and extending existing features.

Technologies:

Nodejs, Serverless, TypeScript, Jest, MongoDB, DynamoDB, ElasticSearch, AWS (s3, cloudfront, cloudwatch, SNS, SQS)

Ciklum / TUI

Technologies:

Nodejs, Serverless, TypeScript, ElasticSearch, AWS (s3, SNS, SQS), Snowflake

<Under NDA>

Date
Feb. 2020 — Jun. 2021

Responsible for
Backend developmet. Mostly refactoring current awful architecture, improving infrastructure. Upon my initiative, I have put all microservicess and related to them resources in docker-compose to make it possible to fast deploy all app related resources (before this, setting up locally all services may took weeks for newcomers). Upon my initiative I have Implemented log system, this gives us the possibility to track and debug issues more effectively. Investigating issues was painful and took few days without this. Introduced code linting.

Currently here I concentrated on clearing up architecture - what is suppose to be "micro services" is in fact just a couple of monstrous monoliths that actually share same data sets, with awful tricky database joins and a lot of spaghetti-code. So I'm splitting them in actual services with clear boundaries, each of which, responsible for its own data sets, with low coupling with other services.

Also I making some minor codechanges when possible to make code more clear, prefer to be declarative over imperative and testable.

Also bugs/issues. Helping on frontend sometimes with react. Maintaining docs, offering concepts, conventions, standards.

Technologies
Node.js, Express, Typescript, Typeorm, ProsgreSQL, React.js.

Cloudbeds

Date

Jul. 2018 — Feb. 2020

Responsible for

Making few data-processing projects prototypes based on AWS lambdas. Helping team with front-end tasks. Implementing solutions for i18n and integration with Crowding. Introducing unit-testing in existing code base. Supporting private NPM package for internal APIs.

Technologies

AWS (lambdas, Cognito, AppSync), Node.js, Typescript, AuroraDB(Sequialize), DynammoDB, GraphQL, sentry, unit testing (istanbul, mocha, chai, sinon), Vue.js, Amplify.

Davinci travel system

Date

Jan. 2018 — Jul. 2018

Responsible for

Splitting legacy monolith back-end app into multiple microservices. I wrote 5 microservices with tests, documentation and perform some devops tasks like writing import scripts, deploying services to stage, troubleshooting. Also supported old legacy codebase.

Technologies

Node.js, expres, feathers.js, mongoDB, GraphQL, pm2, docker, sentry, buildkite, istanbul, mocha, chai, sinon

Genesys (tring)

Date

Aug. 2017 — Jan. 2018

Responsible for

Fullstack support of ~8 microservices

Technologies

Typescript, Node.js, express, mongoDB, docker, Angular, mocha, chai, sinon, ramda
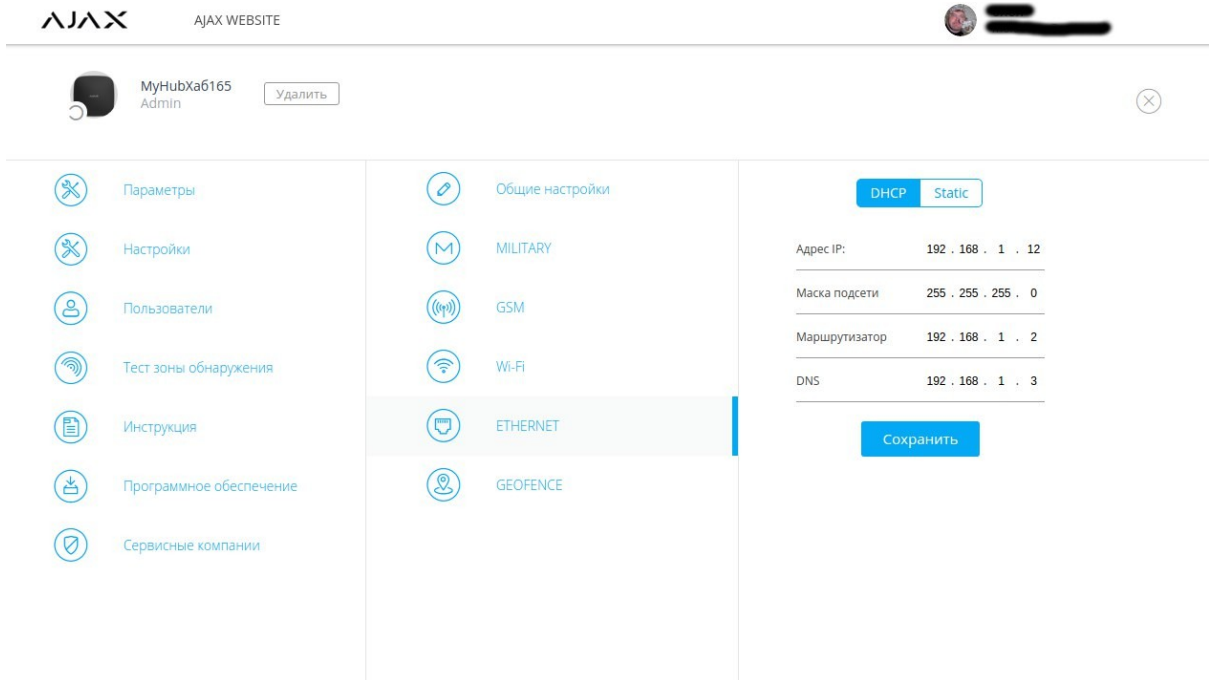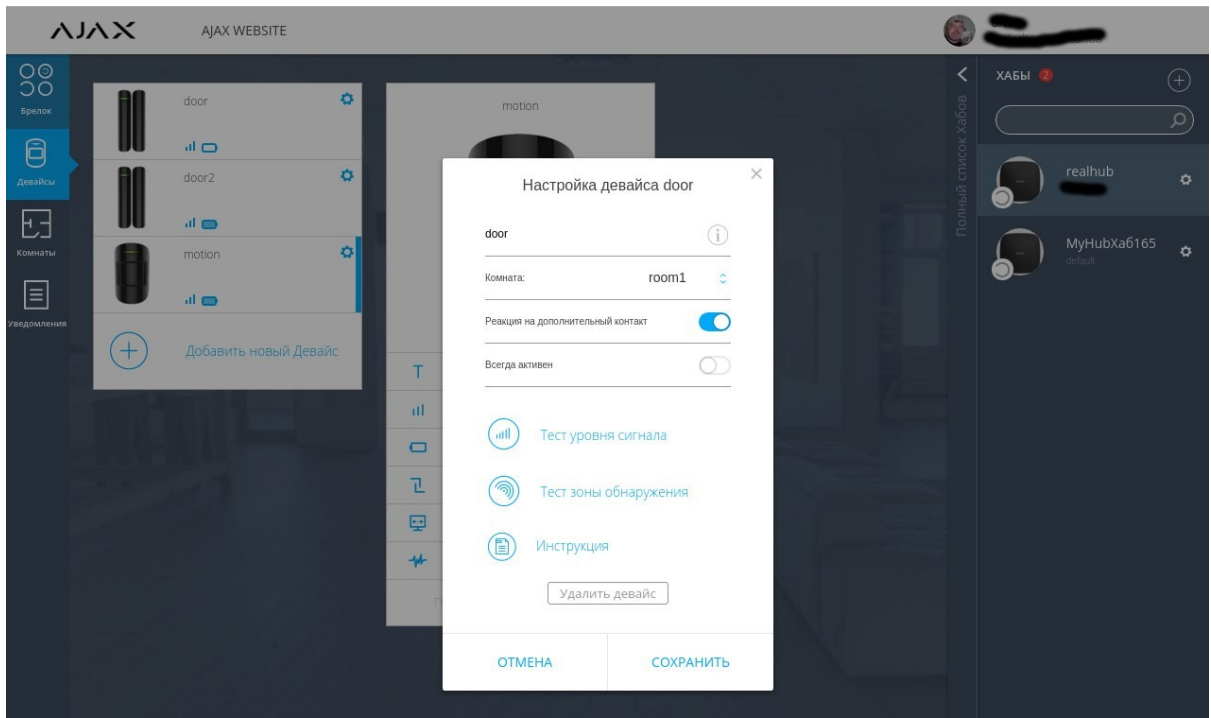
Ajax Systems

Date

Dec. 2015 - 2017
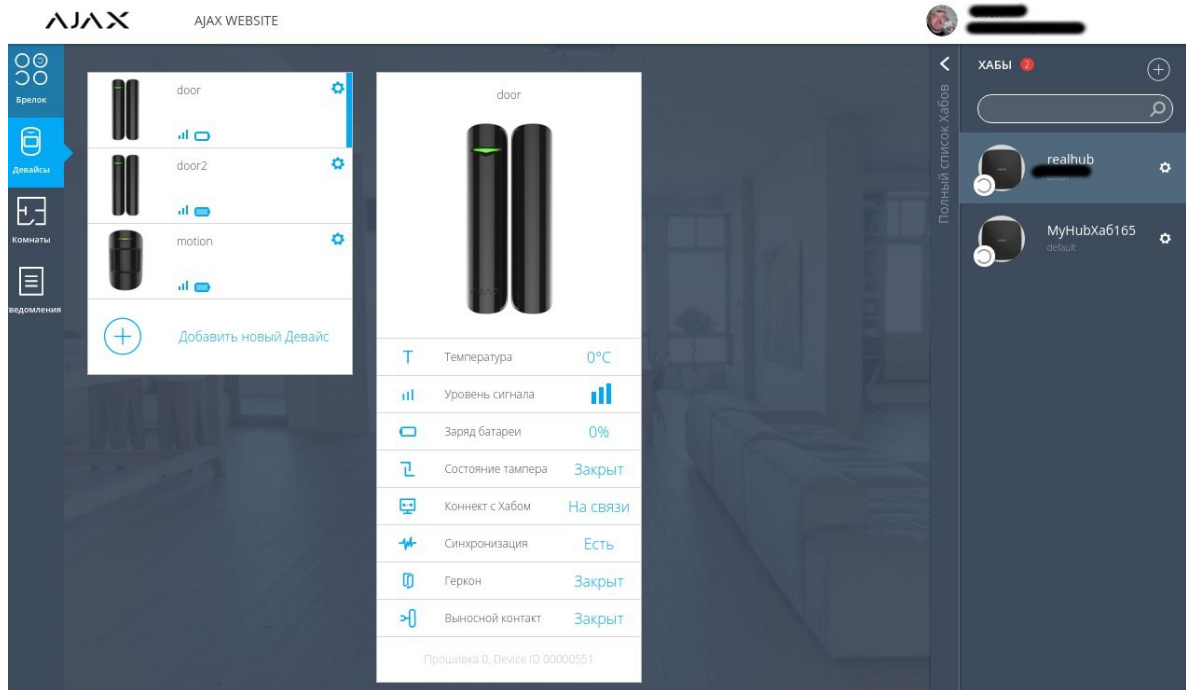
Description

SPA application for security company.

Responsible for

I made full and deep refactoring of existing 9-month application, bring angular's best practices, unit testing, routing (ui-router), build process based on gulp tasks and much more. **Implemented a lot of new features**

Technologies

Angular.js(1.48), karma, jasmine, protractor, gulp, sass/scss

Softline

Date
Oct. 2014 - Jun. 2015
Company
Softline
Description
SPA applications
Responsible for
Unit-tests, new features, bugs.
Technologies
Angular.js, Bootstrap, Protractor (for auto-testing), TypeScript, Bower

GTDL

Date
Nov. 2013 - Sep. 2014
Company
Softengi
Description
GTDL - complex skype-like system for corporate communication including audio/video calls, file transfers, group chats, etc...
Responsible for
Chat features, group chats, channels, audio/video calls (webRTC) – both coding and layout.
Technologies
JS(AngularJS), coffeescript, boottstrap, karma/jasmine, git, XMPP, WebRTC

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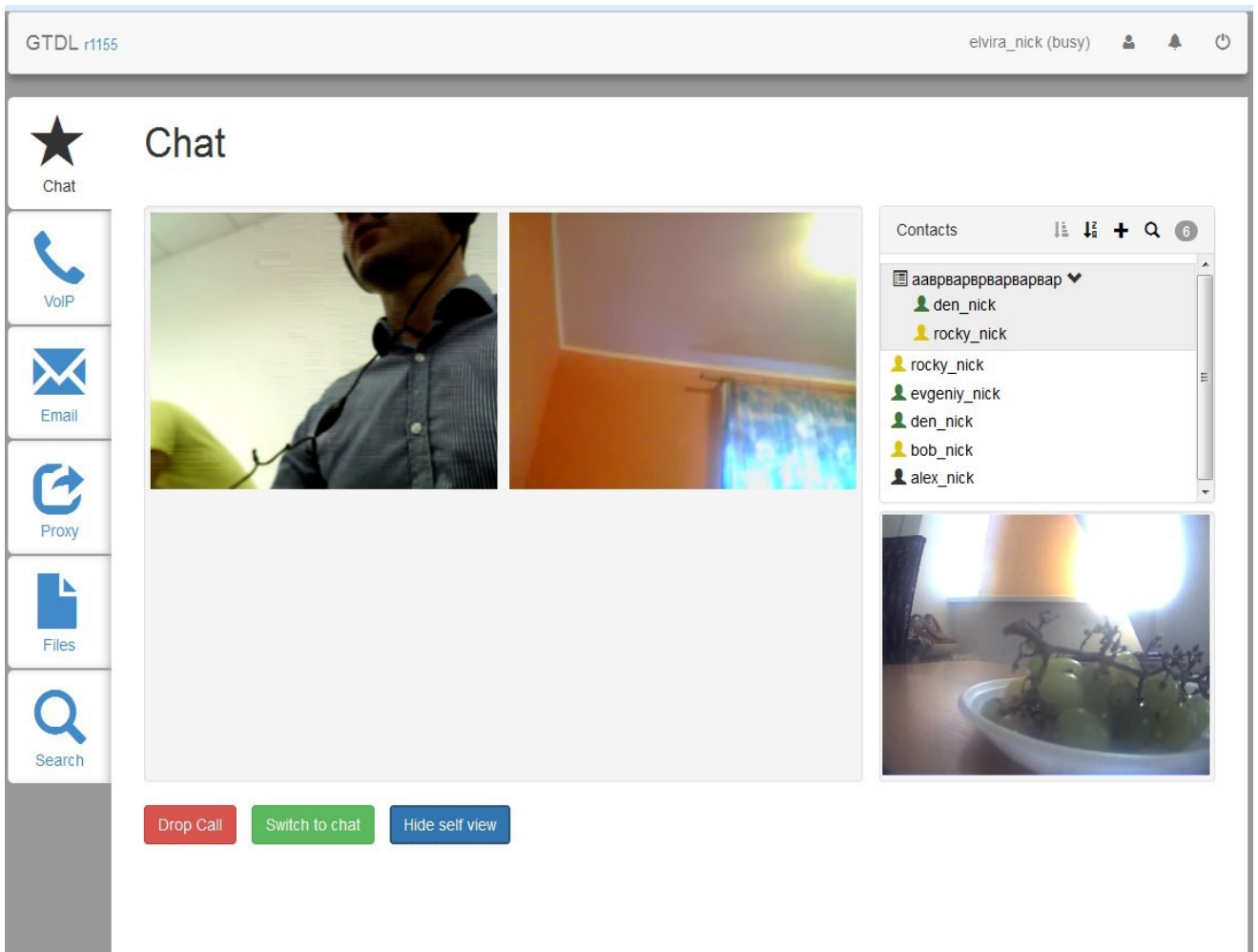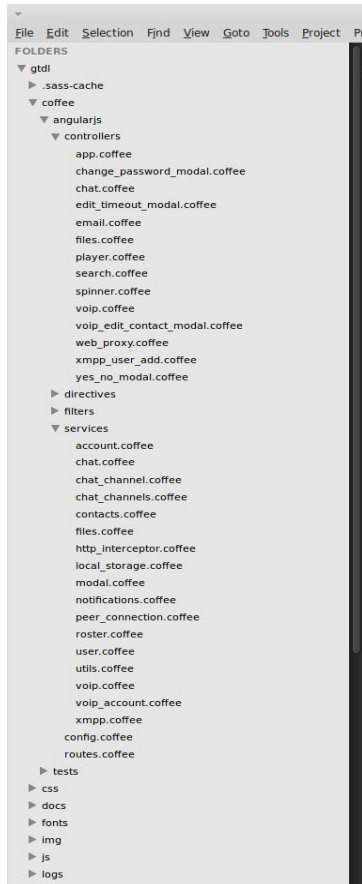   hi, i'am user1

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                        hi, i'm user2

dev_rocky 2014.04.10 16:23

how

Message:

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GTDL r1155

elvira_nick (busy)

Chat

Chat

VoIP

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Proxy

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Drop Call　Switch to chat　Hide self view

PEAR SPORTS

Date
june 2013 - oct. 2013
Company
CPCS
Description
System for managing workouts plans, scheduling them, view statistic and history, synchronizing with app on mobile devices.
Responsible for
Web interface and wireframe layout, integration of bunch of side plugins/components in angular system.
Technologies
JS(AngularJS), coffeescript, bootstrap

download.kochalpin.at

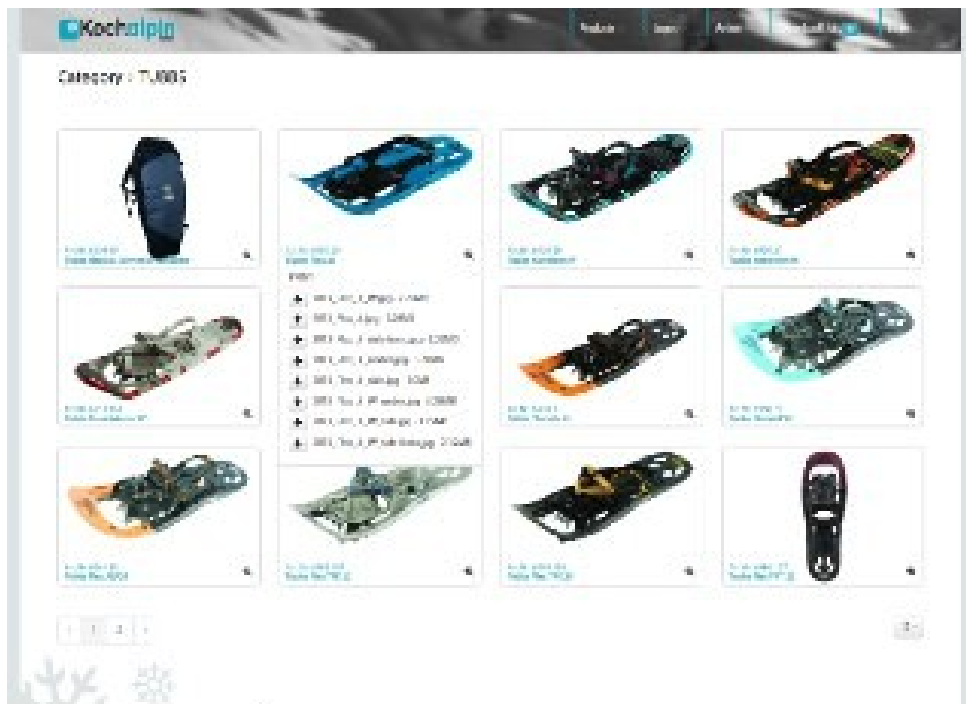**Date**
2013
Company
Marcus Web
Description
E-shop with sport items
Responsible for
Existing application was extended with items catalog. Client-side interface (coding/layout)
Technologies
Angularjs, Silex, coffeescript, bootstrap

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2013

http://www.lasvegasrecords.at/ - partially, AngularJS, Silex.

http://pearui-staging.herokuapp.com/ - Complex AngularJS application (my part) supported by API server on Sinatra for scheduling sports training analyzing workout results and so on. For the time being it is still in development but I left the team.

VisualDay - very specific application to be used for events with discussion groups. Is on closed local network. Used Sumfony, and lots of Jquery UI.

http://arthrospeed.com/startseite/ - support and minor improvements, site is under Typo3 + partially AngularJS

http://www.club-aftershave.at/ - Added sortable table for "programm" section (AngularJS)

http://sunnysail.com/ - as part of team. Worked with rails and angularjs code.

relax-room.info

Date
    2012
Description
    Web-site for massage-studio with basic CMS functions like managing news, ads, galleries, articles and so on...
Responsible for
    Full development process – server and client side programming, deploy.
Technologies
    JS(AngularJS), coffeescript, git, Ruby on Rails, mysql, SASS

-

concert.ua

Date
    2012
Company
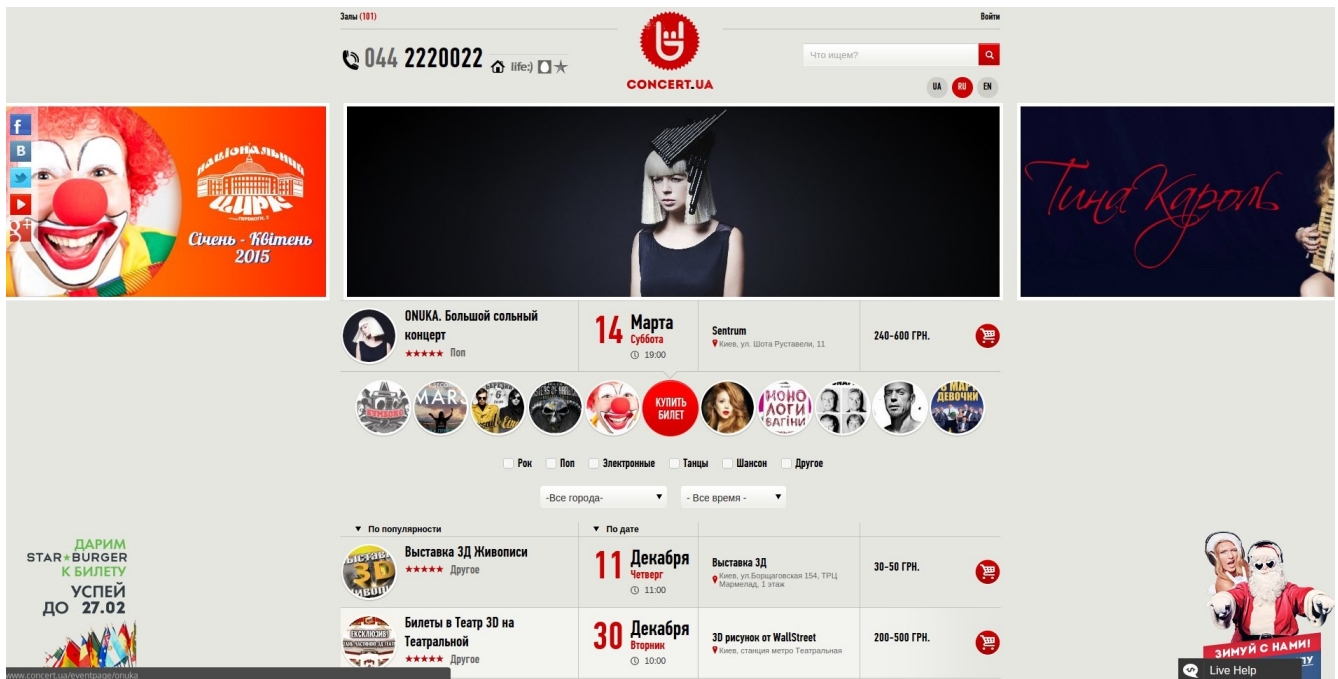   BVB Logic
Responsible for
    HTML/CSS layout, few JS components including slider on front page.
Technologies
    html, css, js, jquery

2012

http://www.modaprint.ru/ - I worked about 6 month as part of team. Worked on server side code (php).

http://agropac.eu/ - support and minor improvements

http://dmas.at/ - Complex system to handle exhibitions and related events. Used AngularJS and Rails. My part was on AngularJS.

http://www.dietasche.at - partially

http://www.oeh.ac.at/ - there was message board for job with search and sorting written on AngularJS but they moved it somewhere I can't find.

2011

http://litrus.net/ - Provided support and maintenance up to 2015. Used: Kohana, memcache.

mobilsvit.com.ua/ - E-shop for mobile phones. Used: Kohana. It is now replaced with another site.

http://amarillis.com.ua/ - support and minor improvements