

Timur

Back-end

Senior

SKILLS

GoLang + vue/nuxt fullstacker, analyst, system architect
gitlab, envoy, rabbitmq, redis, postgres, minio, figma, trello
protobuf, gRPC, AMQP, REST
goland, unit tests, linters, code review

WORK EXPERIENCE

More than: 4

Period

2021-2022

EPAM Systems Inc.

Technonikol project:

Development and support of the internal financial module. Back-application development (monolith) consisting of 4 back-end and 3 front-end (vue) developers. Completely remote team. Refactoring the application after 3 months of development. Weekly video reports.

Using environment gitlab, envoy, rabbitmq, redis, postgres, minio, figma, trello
Protocols used: protobuf, gRPC, AMQP, REST (for communicating with external resources)

Using development tools: goland, unit tests, linters, code review, etc.

Severstal project:

Development of B2B marketplace platform analytics

Development of services in microservice architecture using the go-kratos.dev

framework, development of bootstraper to quickly create services on top of kratos-bootstraper

Configuring Keycloak for Users of Different Role Entities

Development of unit-tests, integration-tests

Proposal, discussion and approval

- role model

- templates for services, fronts and solutions

- templates for integration testing affecting one or more services

- setting tracing, metrics, logging

Project role

Go-developer

Period

2019-2022

Microservices Cloud Solutions

Delivered the development of a cloud service-place resource www.find-psy.com:

- I am a product owner
 - site design approval
 - preliminary layout of the site (gulp, bem, @media, scss, @mixin ...)
 - setting up SCM GitLab on DigitalOcean
 - development of a web application in vue.js, nuxt.js
 - development of a swagger-declaration of front-back communication
 - development of microservice architecture of the resource
 - development of microservices stateful, deployment on goLang
 - setting up a kubernetes cluster on DigitalOcean
 - setting LoadBalancer, Cloudflare
 - setting up Gitlab Registry, Gitlab Runner
 - development of their helm charts and placement in the museum
 - setting .gitlab-ci.yml
 - development of a project template generator (Vue.js, GoLang) containing files such as Dockerfile, Makefile, .gitlab-ci.yml, swagger.yaml, .gitignore, README.md, values.yaml (helm), etc.
 - installing and configuring Istio on Kubernetes
 - setting up Kiali, Grafana, Prometheus, etc.
 - setting up OAuth2.0, OpenIDConnect for authorizing Google users through Firebase Auth, adding Custom Claims for JWT token in order to use RBAC Istio Auth Policy
 - using third-party Firebase services: Auth, Firestore, Database, Storage, Functions, agora.io
- Monitoring the work of the entire project.
Using the tools listed on the website www.mcsolutions.ru

Project role

Архитектор информационных облачных систем

Period

2021

AtomEnergSbyt

Development of initiating documents:

- Architectural Standard Solutions
- Functional Specifications
- Offering Kubernetes solutions for each solution domain
- Deploying solutions to Kubernetes and virtual machines
- Preparation of training materials for back (goLang) and front (vueJs, nuxtJs) development using microservice architecture
- Training of current IT staff: development on go, vue, using git, docker, ci / cd, TDD, swagger, etc.

Project role

Main Architect

Period

2020

RSHB Intech

Development and coordination of architectural solutions

DevOps integration solutions

Deploying AirFlow to Kubernetes Using Bitnami's Helm Charts

Deploying and Configuring HashiCorp Vault

Deploying and configuring IBM MQ

Using the helmfile utility to deploy to different k8s clusters

Project role

Architect

Period

2019-2020

RDL Telecom

Development of a new version and support of the old version of the resource Fellow traveler. Fellow traveler is an internal site for long-distance train passengers. Development of a microservice architecture, splitting the monolith into microservices. Development of microservices on golang. Registration, authorization, tokenization. Communication between them is RESTful, gRPC, message brokers: Apache Kafka, RabbitMQ, NATS. Developing a web application with Vue.js / Nuxt.js Refinement of site design on Figma. Development of a resource code generator: go and vue projects for developing microservices and sites (includes creating a Dockerfile, Makefile, .gitlab-ci.yml, etc.). The generator allows you to develop front and back very quickly at the same time. gitlab-ci contains all the necessary pipelines and helm charts for deploying to cloud platforms.

Resource development according to DevOps First methodology
DevOps on Kubernetes, development of helm charts.
Service Mesh: Istio
Identification: keyCloak
Logging: ZAP, Sentry
Configuration management: Ansible, Terraform
Cloud platforms: DigitalOcean, Google Cloud Platform

Project role

Teamlead

Period

2018-2019

Microservice Cloud Solutions

BackEnd development on Go, development of SPA sites on Vue, Vuetify, etc., CSS / CSS3 layout using modern approaches, using ready-made CSS frameworks, BEM standard.

An audit of existing systems as a monolith (as a rule, with databases Oracle, MySQL, etc.), made recommendations for dividing the monolith into microservices according to the Domain-Driven Design methodology.

Developed documentation for the development of microservices: events received, events generated, algorithms implemented, initial configuration, design patterns used, testing algorithms, performance testing, acceptance criteria from the CI / CD point of view, message language - Swagger, etc.

Technologies used:

- Message Broker - Apache Kafka, as well as a message and metadata bus between microservices.
- OLTP-DB - PostgreSQL
- OLAP-DB - ClickHouse, which has a native connector to Kafka, can also be used as a Data Warehouse
- noSQL-DB - MariaDB, MongoDB, Firebase databases
- in-Memory DB - Redis, memCached
- container tool - Docker
- orchestration tool - Kubernetes
- CI / CD tool - Heroku, as well as analogs like DigitalOcean
- PaaS - Google Cloud Platform, Firebase, AWS. Google product preference
- format of communication between microservices - Json, gRPC
- service / data description language of REST communication between microservices - Swagger
- DevOps - CI / CD, GitLab, TDD, Travis

Project role

Teamlead

Period

2017-2018

Mobile Corporative Solutions, Limon

Development of a conceptual technical specification based on an idea from a customer

Activity on the preparation of vacancies, interviews with job seekers. I brought several of my people to this project. The team consists of 5 people.

System prototype development:

- back-end on Oracle, EPG,
- Development of the admin part in Delphi,
- Development of an Android mobile application using the core libraries EventBus, Retrofit2, Glide, Dagger2 and many others.

Distribution of tasks and installations, monitoring performance, reporting, and other management work.

Project role

Chief of the startup

Period

2016-2017

Mobile Corporative Solutions

mcsolutions.ru

Pre-sale, prototype development, management and organization of employees, training, mentoring, control over the execution of orders.

Development of Android applications (also using the Kotlin language), windows applications (Delphi), web applications (GWT / SmartGWT), API on Oracle (EPG),

Development of documentation for Information Systems Architecture

Terms of Reference for the development of Android applications and databases

Development of a template engine for fast and high-quality programming.

Projects:

Development and promotion of the installation platform

Development and promotion of the hotel platform

Development and promotion of a restaurant platform

Development of a platform for creating a promotion channel on Instagram, Youtube, Twitch, Facebook, VKontakte.

Development of information and analytical systems

Development of geolocation information systems.

Development of information systems for the search for boarding houses for the elderly.

With the ability to view daily measurements on a mobile application.

Development of a tote for e-sports events.

Project role

Information System Architect

EDUCATION

ВМК МГУ, Степень к.ф.-м.н.
2003

ВМК МГУ, Прикладная математика и информатика
1997

LANGUAGE

English
B2