PORTFOLIO

Hello,

My name is Alireza Akrami

I am a creative web developer that also have 4 years of experience on web applications' security, and 2 years of experience on linux system administration and managing databases.
I am able to effectively self-manage during independent projects, as well as collaborate in a team setting.
I have developed many web applications with PHP and NodeJS that some of them are mentioned here.

JS dtsRoutes.js   JS dtsController.js ✕   JS oldFile.js   JS time.js   JS array.js   JS server.js   JS mongo.js   JS request.js   JS subscriber.js   JS

api > controllers > JS dtsController.js > ⊛ list_msisdn_bundles > ⊛ exports.list_msisdn_bundles

```
1   'use strict';
2   var config = require('./../../config');
3   var mongoClient = require('mongodb').MongoClient,
4       request = require('request'),
5       redis = require('redis'),
6       moment = require('moment'),
7       winston = require('winston'),
8       parser = require('fast-xml-parser');
9
10  const logFormat = (logEntry) => {
11      const json = Object.assign({ timestamp: moment().format('YYYY-MM-DD HH:mm:ss') }, logEntry);
12      logEntry[Symbol.for('message')] = JSON.stringify(json);
13      return logEntry;
14  }
15
16  const logger = winston.createLogger({
17      level: 'debug',
18      format: winston.format(logFormat)(),
19      transports: [
20          new winston.transports.File({ filename: 'log/dtsapi.error.log', level: 'error' }),
21          new winston.transports.File({ filename: 'log/dtsapi.debug.log' }),
22
```

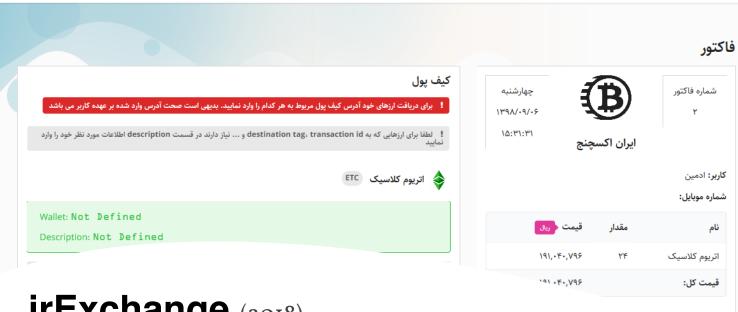# DTSAPI BUNDLES OFFERING OVER API (2019)

DTS (Dynamic Tariffing Solution) is a system for dynamic pricing of data, calls and SMS bundles. This dynamism is based on an intelligent core that uses machine learning and artificial intelligence to optimize revenue, utilize network and acquire more subscribers. This system is currently implemented on MCCI (biggest mobile operator in Iran) and functional under *121# and https://dts.mci.ir. Our team has developed an API for other mechanism and solutions to offer bundles through our system.

Technologies:

NodeJS   ExpressJS   MongoDB   Redis   REST API   SOAP

Cache Management   Log Management

The system gets the requests and calls APIs to get subscriber's information from GSM network, its discount level and bundles that suits him/her. Then it will filter these bundles based on 4 filter criteria: time, subscriber, location and subscriber's type. All this actions use two cache system. One for subscriber's information that expires after 24 hours and one for bundles list that expires after 1 hour.

Bundles list and its filter definitions are stored at mongodb which is also used by other systems (USSD, web server). Cache is stored on redis. The system functionality is logged in two level: debug and error.

فاکتور

کیف پول

! برای دریافت ارزهای خود آدرس کیف پول مربوط به هر کدام را وارد نمایید. بدیهی است صحت آدرس وارد شده بر عهده کاربر می باشد

! لطفا برای ارزهایی که به destination tag، transaction id و ... نیاز دارند در قسمت description اطلاعات مورد نظر خود را وارد نمایید

اتریوم کلاسیک   ETC

```
Wallet: Not Defined
Description: Not Defined
```

شماره فاکتور	چهارشنبه
۲	۱۳۹۸/۰۹/۰۶
	۱۵:۳۱:۳۱

ایران اکسچنج

کاربر: ادمین

شماره موبایل:

نام	مقدار	قیمت ریال
اتریوم کلاسیک	۲۴	۱۹۱,۰۴۰,۷۹۶
قیمت کل:		۱۹۱,۰۴۰,۷۹۶

irExchange (2018)

irExchange is a Bitcoin/altcoin selling platform.
This website uses CoinMarketCap API for getting altcoin's information and price automatically. It then uses payment APIs for transferring money. The confirmation will be sent to admins for transferring altcoins.

This website uses subsystems such as a chat platform, a ticket platform, billing platform and a user management platform.
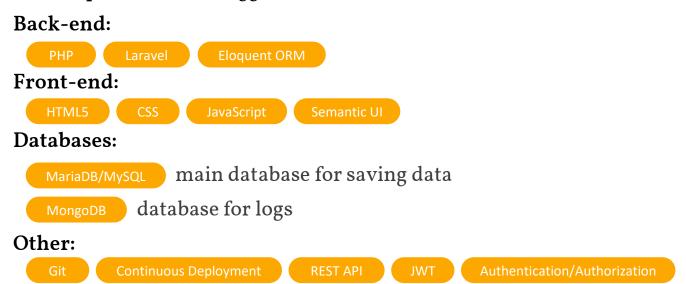
Back-end:

PHP   Laravel   Eloquent ORM

Front-end:

HTML5   CSS   JavaScript   Semantic UI

Database:

MySQL

Other:

Git   Continuous Deployment   REST API   Authentication/Authorization

Log Management

The website was launched in 2018. But unfortunately, it was shut down due to Iran's new Laws over the cryptocurrencies' ban.

DCA DATA CENTER AUTOMATION SYSTEM (2017)

A web application solution for managing human tasks on a datacenter. This solution is implemented by two main servers, which act as back-end core and back-end gateway. The third sever is database that manages data.

Tasks:

- Manage human traffic of employees and third parties on datacenters, NOC and SOC.
- Report on people entering and leaving based on date and place.
- Report on traffic loggers.

Back-end:

PHP   Laravel   Eloquent ORM

Front-end:

HTML5   CSS   JavaScript   Semantic UI

Databases:

MariaDB/MySQL   main database for saving data

MongoDB   database for logs

Other:

Git   Continuous Deployment   REST API   JWT   Authentication/Authorization

This solution is implemented on Ansar bank and currently is functional. Unfortunately this app is only accessible under bank's internal network. Also the codes are on internal gitlab enterprise server and testing and deploying of the app is done by gitlab CI/CD. All the tasks on this project was done by myself.

THANK YOU

You can also see my mini projects on my public github page.

[github] – **[blog]** – **[linkedin]** – **[stackoverflow]**