

# Alexander Pitkin

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Fullstack Python/Django developer

[pitkinalexander@gmail.com](mailto:pitkinalexander@gmail.com) +375 33 3242335

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## Education

<b>2015-2017 (master)</b>	<b>Master of informatics and and computing, The chair electronic computing machines;</b> Belarusian state university of informatics and radio-electronics <i>Minsk, Belarus</i>
<b>2010-2015 (bachelor)</b>	<b>Systems engineer, The chair electronic computing machines;</b> Belarusian state university of informatics and radioelectronics <i>Minsk, Belarus</i>
<b>2006-2010</b>	<b>Technician on telecommunications, Software telecommunications networks;</b> The Highest State College of Communications, Vitebsk branch <i>Vitebsk, Belarus</i>

## Skills

<b>Language/Programming:</b>	Python Javascript/TypeScript Bash CSS (LESS/SASS/Stylus) HTML C/C++/C#/Java/Delphi
<b>Frameworks/Techologies:</b>	Django/Django Rest Framework FastAPI Flask SQLAlchemy/GeoAlchemy 2 NodeJS AngularJs/Angular 2+ RxJS React Native/Android SDK
<b>Systems:</b>	Linux Windows
<b>Databases:</b>	SQL Postgres

MSSQL  
MySQL  
Redis  
Memcached  
ElasticSearch

**Project/Task** Asana  
**Management** Trello  
**Tools:** JIRA

## Experience (8+ years)

### 2017 - present iTechArt, Software Engineer

Senior fullstack developer

### 2014 - 2017 Nord-Soft, Python/Django developer

Creating and maintenance web sites using django. Creating web site API using *Django Rest Framework*, Database development Working with frontend (Javascript, JQuery, AngularJS/Angular2+, CSS/LESS)

## Projects

1. Real Estate Portal printing service - Project Web service to make pdf for a given URL description
  - *Stack:* NodeJS, Express, Puppeteer, bull
  - *Role:* Senior Software Engineer
  - *Responsibilities:*
    - \* Developed express API
    - \* Developed Puppeteer integration
    - \* Developed Docker and CircleCI integration
    - \* Added API tests and compare PDF tests
2. Real Estate Portal API microservices - various API microservices for real estate portal
  - *Stack:* Django, Flask, FastAPI, SQLAlchemy, Postgres, Postgis, Redis, Docker, Kubernetes
  - *Role:* Senior Software Engineer
  - *Responsibilities:*
    - \* Implement API microservice
    - \* Split monolithic application into microservice
    - \* Develop backend packages to reuse in different microservices
    - \* Create complicated geospatial queries to fetch required data
    - \* Develop backend packages to reuse in different microservices
    - \* Setup service integration
3. Leading global eGift card platform with operations in Australia, North America, United Kingdom and New Zealand. Project aims to simplify and enhance the gift-giving experience by allowing users to purchase, send, and receive digital gift cards from a wide range of popular retailers and brands.
  - *Stack:* Django, FastAPI, AWS, AWS Lambda, Celery, Postgres, pytest, Graphene-Django, SOAP, Stripe
  - *Role:* Senior Software Engineer
  - *Responsibilities:*

- \* Build an API integration between project core and different 3rd party giftcards providers.
  - \* Develop the microservice to improve site performance and isolate API integration logic
  - \* Write a highly testable code with different test cases and live tests which check the health of external services</>
  - \* Constant communication with gift providers technical experts create integration with private APIs
4. Real Estate Portal: Data Intelligence Board - A Web application that allows users to: - obtain price valuations and prediction for the real estate property - understand the market - explore the surroundings (location & nearby)
- *Stack:* AngularJs, Angular, Django, Flask, SQLAlchemy, HTML 5, CSS3, Alembic, Docker, Mapbox, Google Maps API, PostGIS, PostgreSQL
  - *Role:* Software Engineer
  - *Responsibilities*
    - \* Implemented a new version of the Web API with Flask and SQLAlchemy
    - \* Reworked big subsets of the data model and updated the database schema accordingly
    - \* Developed and implemented the front-end application
    - \* Migrated a big live application from AngularJS to Angular2
    - \* Developed set of custom reusable data charts using d3.js library
    - \* Developed a various of map integration with user interaction support
    - \* Integrated the app with other services
5. Driving licence exam booking system.
- *Stack:* Django, React.js, Celery, PostgreSQL, Redis, Docker, Traefik
  - *Role:* Senior Software Engineer
  - *Achievements:*
    - \* Developed the back-end
    - \* Designed the data model and implemented the database schema
    - \* Implemented the deployment part and deployed the application to server
    - \* Added the Celery application to run periodical time slots booking
    - \* Optimized application performance
6. Web portal for management students housing. The portal handles the entire student leasing experience and provides easy tools to help managers track assignments, payments, and communication
- *Role:* Software Engineer
  - *Back-end development:*
    - \* Models design
    - \* Logic/architecture design
    - \* Django views
    - \* REST API for 3rd partly applications, mobile and front-end
    - \* Payment system integration
    - \* DB and site loading optimization
  - *Front-end development:*
    - \* CSS/HTML
    - \* Angular templates development
    - \* Back-end Integration
  - *Main technologies and products used:* Python/Django, Celery, AngularJS, HTML/CSS, JavaScript/Coffee-script, jQuery, OAuth, PostgreSQL, Stripe API
7. User generated news portal. Allow user to rate news and change public news ratings

- *Role:* Software Engineer
  - *Back-end development:*
    - \* Models design;
    - \* Logic/architecture design
    - \* Django views.
    - \* REST API for front-end
    - \* Celery tasks
  - *Front-end development:*
    - \* CSS/HTML
    - \* Angular templates development
    - \* Back-end Integration
  - *Main technologies and products used:* Python/Django, AngularJS ,Celery, HTML/CSS, JavaScript, jQuery, jQuery.ui, PostgreSQL, Redis
8. Person Heath Assistance – user personal health assistance application. Application encourage healthy user habits.
- *Role:* Software Engineer
  - *Back-end development :*
    - \* database development and maintenance;
    - \* backend and frontend implementation- add new features;
    - \* bug fixes;
    - \* DB and site loading optimization;
    - \* implementing Django templates;
  - *Main technologies and products used:* Python/Django, HTML/CSS, JavaScript, jQuery, jQuery.ui, Backbone, Celery, MSSQL Server, Google Cloud Messaging

## Languages

**Russian** native

**English** upper-intermediate

## Cerificates

**Cisco Certified Network Associate(CCNA Routing and Switching (v5.0))**, 2015 Cisco Networking academy

**Linux development courses**, 2014 EPAM

**Android Development training**, 2013 ForteKnowledge

**Cisco Certified Network Associate (CCNA1, CCNA2)**, 2008-2009 Cisco Networking academy — Toronto, CANADA

**Programming in python**, 2011 INTUIT NATIONAL OPEN UNIVERSITY <http://www.intuit.ru/verifydiplomas/00119534>

## Others

**My Github profile** <https://github.com/peleccom>

**My Linkeln profile** <https://www.linkedin.com/pub/alexander-pitkin/57/1a4/9b2>

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[pitkinalexander@gmail.com](mailto:pitkinalexander@gmail.com) • +375 33 324 23 35 • 33 years old

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