Alexander Pitkin

Fullstack Python/JS developer

⊙ Minsk 📞 +375 33 324-23-35 @ pitkinalexander@gmail.com

Profiles

 peleccom

 alexander-pitkin

Summary

Experienced Senior Software Engineer and dev lead with over 10 years of experience in software engineering, combining hands-on development with team leadership. Specialized in Python (Django, Flask, FastAPI) and JavaScript (Angular, React), with a focus on building scalable, production-ready systems in HealthTech, Real Estate, E-commerce, and FinTech.

Experienced in leading development teams, handling task distribution, code reviews, and mentoring. Directly involved in architectural decisions, balancing technical debt management with new feature delivery. Drove the integration of CI/CD pipelines and deployment processes, ensuring reliable and repeatable software releases.

Good understanding of system design, distributed architectures, and clean code principles. Experienced in stakeholder communication, project planning, and driving technical initiatives from concept to production.

Experience

iTechArt   **2017-10 - Present**

Senior fullstack developer

Develop various platforms using modern backend and frontend technologies. Took part in the full development cycle — from requirements discussion to deployment and monitoring. Actively participated in knowledge-sharing activities, mentored junior developers, and contributed to architectural discussions and decision-making processes.

Nord-Soft   **2014-02 - 2017-10**

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)

Education

Belarusian state university of informatics and radioelectronics	**2015 - 2017**	
Master of informatics and and computing, The chair electronic computing machines	Minsk, Belarus	
Belarusian state university of informatics and radioelectronics	**2010 - 2015**	
Systems engineer, The chair electronic computing machines	Minsk, Belarus	
The Highest State College of Communications, Vitebsk branch	**2006 - 2010**	
Technician on telecommunications, Software telecommunications networks	Vitebsk, Belarus	

Certifications

Cisco Certified Network Associate(CCNA Routing and Switching (v5.0))
Cisco Networking academy
2015-04

Linux development courses
EPAM
2014-04

Android Development training
ForteKnowledge
2013-05

Cisco Certified Network Associate (CCNA1, CCNA2)
Cisco Networking academy — Toronto, CANADA
2009-05

Programming in python
INTUIT NATIONAL OPEN UNIVERSITY
2011-03

Projects

Medical payment platform   March 2025-Present
Platform providing payment processing for patients

Senior Software Engineer

Tech stack: Django, Flask, Falcon, SQLAlchemy, Alembic, Docker, AWS (EC2, S3, RDS, Lambda), Celery, Microservices, Angular, SCSS

- Led a team of 6 engineers during integration of core service with an external enterprise system
- Designed and implemented APIs and architecture for new microservices, ensuring scalability and maintainability
- Supported and automated seamless migration of existing users and user profiles to the new system with zero downtime
- Introduced monitoring and logging, which reduced incident resolution time by 30%
- Optimized database queries and migrations (PostgreSQL, Alembic)
- Collaborated with product managers and stakeholders to define technical requirements and align roadmap with business goals

B2B payments platform   2024-12 - Present
Modern B2B payments platform to simplify business purchases

Role:

Senior Software Engineer

Stack:

Flask, SqlAlchemy, PostgreSQL, Alembic, GCP, Svelte

- Developed payment gate solution to make bank universal bank integration
- Developed a new payment flow processing for specific clients
- Onboard new merchant country
- Develop new authorisation flow processing

Personal Medical App   2023-07 - 2024-10
The delivered solution helps users to find and purchase optimal weight programs, healthy food, and drinks. Users can find a coach who will help them to achieve their weight and health goals.

Role: Senior Software Engineer

Stack: FastAPI, AWS Lambda, AWS, PostgreSQL, DynamoDB, pytest, Amazon Rekognition, SQLAlchemy

- Develop a solution for uploading media content with computer vision algorithms to filter inappropriate images
- Developed serverless API based on AWS lambdas
- Improved test setup and test performance
- Delivered and automated schedule service

Real Estate Portal printing service   2018-05 - 2020-02
A web service that turns provided web resources into PDF files. Documents should be delivered to users as fast as possible.

Role: Senior Software Engineer

Stack: Node.js, Express, Puppeteer, bull, CircleCI, Docker

- Developed the Express API to serve user requests
- Implemented job queue service to put user requests in queue
- Integrated Puppeteer library for seamless PDF documents generation with specific params
- Implemented CI/CD pipeline with docker and CircleCI
- Added API tests and PDF comparison tests.

Real Estate Portal API microservices   2020-07 - 2024-12
Various API microservices for real estate portal

Role: Senior Software Engineer

Stack: Django, Flask, FastAPI, SQLAlchemy, Postgres, Postgis, Redis, Docker, Kubernetes

- Implement API microservice
- Split monolithic application into microservices
- Develop backend packages to reuse in different microservices
- Create complicated geospatial queries to fetch required data
- Setup service integration

Leading global eGift card platform   2019-03 - 2023-04
Leading global eGift card platform with operations in Australia, North America, United Kingdom and New Zealand. It enables customers and businesses to purchase gift cards from various gift card providers. 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. For business it allows to create a bulk of gift cards and make mass delivery for clients for any occasion.

Role: Senior Software Engineer

Stack: Django, FastAPI, AWS, AWS lambda, celery, PostgreSQL, pytest, Graphene-Django, SOAP, Stripe, DRF, AWS DynamoDB

- Analyzed better ways and potential risks of new gift cards integrations via different API interfaces and built a robust API integration between the platform and different 3rd party gift cards providers
- Optimized the API integration which allows to minimize client support requests caused by network issues or 3rd party APIs failures
- Developed the microservice to improve site performance and isolate API integration logic
- Improved the usability of admin panel along with the performance of pages which is highly used by customer support service
- Developed integration between new microservice and existing site
- Wrote a highly testable code with different test cases and live tests that monitor the health of external services
- Resolved issues with technical experts of gift providers while working on the integrations with private APIs.

Projects

Real Estate Portal: Data Intelligence Board   2017-11 - 2024-12

The client is a fast-growing PropTech startup that leverages machine learning to provide reliable valuations and predictive analytics for the real estate market. Their web application allows users to: - obtain price valuations and prediction for the real estate property - understand the market - explore the surroundings (location & nearby).

Role: Senior Software Engineer

Stack: Angular, AngularJs, Django, Flask, SQLAlchemy, HTML 5, CSS3, Alembic, Docker, Mapbox, Google Maps API, PostGIS, PostgreSQL, FastAPI, DRF, Postgis

- Implemented a new version of the Web API with Flask and SQLAlchemy
- Created complex geospatial queries to fetch required data from the database
- Lead migration a big live application from AngularJS to Angular without downtime
- Integrated MapBox to the platform and added an ability for users to interact with the map (drawing above the map, highlighting necessary objects, etc.)
- Split monolithic backend application into microservices and developed backend packages to reuse in different microservice
- Worked on data visualization part, including data representation on lists, charts, maps
- Developed a set of custom reusable data charts using D3.js library
- Reworked big data model subsets and updated the database schema accordingly
- Integrated the app with other services (backend, analytics, logging and crash systems)
- Led technical team of 6 engineers

Driving licence exam booking system   2018-02 - 2018-06

The client is creating a booking system designed to simplify the experience of passing a driving license exam. The platform allows to book time slots for driving exams, while minimizing user efforts on passing practical and theoretical exams (thanks to the platform users were able to pass both exams within one day)

Role: Senior Software Engineer

Stack: Django, React.js, Celery, PostgreSQL, Redis, Docker, Traefik

- Developed the backend API from scratch
- Designed the data model and implemented the database schema
- Used best practices to set up the deployment process and deployed the application to production environment
- Added the Celery application to run scheduled time slots booking
- Optimized application performance

Web portal for management students housing   2015-02 - 2017-03

The client creates a web portal designed for students' housing management. Room Choice handles the entire student leasing experience and provides easy tools to help property managers track assignments, payments, and communication with tenants. Highly customizable frontend allows to create a personal site for each property with individual features.

Role: Senior Software Engineer

Stack: JavaScript, AngularJS, Python, Django, PostgreSQL, Celery, HTML5, CSS3, CoffeeScript, OAuth, Stripe API, Mapbox, AWS Lambda

- Designed the architecture of the app's frontend designed to book the property based on availability of property and student personal preferences
- Developed a new features and pages of booking wizard with user-friendly UI
- Built the integration between frontend and backend to store user's booking information
- Integrated the solution with Mapbox
- Integrated with Stripe payment system for seamless payments collection
- Optimized database queries and site overall performance.

User generated news portal   2014-02 - 2014-11

Web service which allow users to rate news and change public news ratings

Role: Software Engineer

Stack: Python/Django, AngularJS ,Celery, HTML/CSS, JavaScript, jQuery, jQuery.ui, PotgreSQL, Redis

- Designed data models to support dynamic content and user interactions
- Architected and implemented business logic to ensure efficient data flow
- Implemented background tasks using Celery for scheduled news rating updates
- Created responsive and modern layouts using CSS/HTML

Personal Heath Assistance   2014-04 - 2016-01

User personal health assistance application designed to encourage users develop their healthy habits and lifestyle. Mobile application allows users to set up goals and do daily exercises to get award points. Health plan is created individually for each user.

Role: Software Engineer

Stack: Python, Django, Django REST Framework, Celery, HTML5, CSS3, Google Cloud Messaging, MS SQL Server, jQuery

- Designed the data model and the database schema to optimize database queries;
- Developed the RESTful API for the frontend and mobile application;
- Optimized database and site performance of high loaded application operating with big amount of user data;
- Integrated cloud messaging system for the mobile application to send personalized announcements for users.