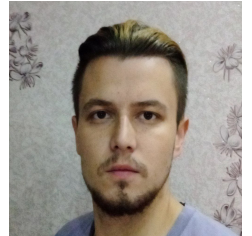# Emil Erofeevskiy

Senior software engineer

6+ years of experience

- 6 years of professional industry experience with software development with a focus on the Python/PHP/JS technology stack
- Team lead and mentoring experience
- Strong knowledge of Python ecosystem, modern development frameworks: Django, AioHttp, FastApi
- Strong knowledge of PHP ecosystem, modern development frameworks(Laravel) PHP
- Strong knowledge of JS/Node.js ecosystem, modern development frameworks(Vue)
- Self-motivated, takes the initiative to work independently, demonstrating lateral thinking and being detail-oriented
- Experience with implementing design patterns via SOLID principle support
- Strong in communications, advanced English

Work experience

Jan 2017 - Oct. 2018 - Freelance
Oct. 2018 - Oct. 2019 - "LDC" LLC - FullStack Dev
Nov. 2019 - June 2020 - "Monday Labs" LLC - FullStack Dev
June 2020 - Sept. 2021 - "Monday Labs Academy" LLC - FullStack Dev/CEO
Sept. 2021 - May 2022 - "NewMax Technologies" - Senior BackEnd Developer
May 2022 - current time - "Vention" LLC - Senior Software Engineer

Core competencies

Python, SQL, PHP, JS (Laravel/Django/Vue.js)

Hobbies

Playing guitar, singing country music, writing something useless for open source. Drawing, flexing and joking dad jokes.

Technical skills

Web3 Technologies:	Web3, web3.py, hardhat, Solidity, ethers.js
Programming languages:	Python, SQL, JQuery, PHP, JS, Solidity, TS
Python tools & libraries:	Pytest, Requests, Asyncio, PyQt5
Web Frameworks & Libraries:	Django, aiohttp, FastApi, Laravel, Vue.js, Django Rest Framework, hardhat, Nest.js, React.js (well familiar)
Web Technologies:	AJAX, JQuery, Bootstrap, Chart.js, HTML, CSS
Tools:	Docker, Composer, Docker Composer, Postman, Swagger, SMTP
Application servers:	Nginx, Apache, Passenger, Gunicorn
Databases:	PostgreSQL, MySQL, SQLite
API Integrations:	1C, RKeeper, Telegram API, SOAP Microsoft Web Services

CI/CD:	Jenkins
Cloud Services:	DigitalOcean, Heroku
Version control systems:	Git, Github, Gitlab, Bitbucket
Cache Systems:	Redis, Memcache, Varnish
Technologies:	RabbitMQ
IDE and editors:	PyCharm, VS Code, PhpStorm, Visual Studio
Server and Client OS Systems:	Windows (IIS), Ubuntu, CentOS 7
Agile & Scrum Tools:	ClickUp, Trello, Logwork, Jira
Communication Tools:	Discord, Slack
Testing frameworks / Tools:	Mocha, PyTest, PhpUnit, Codeception

Recent and major projects

Project #1: Voxy

Stack:	Docker, Python/Django, DRF, AWS, PostgreSQL, Redis, RabbitMQ, Celery Okta
Role:	Senior software engineer
Project description:	Voxy is an online English solution providing educational institutions and corporations with a personalized language curriculum, adaptive web, and mobile technology and best-in-class support. Voxy's task-based courses use authentic, real-world content from leading publishers, and adapt to learners' unique needs in real-time.
Achievements:	○ Updated deprecated packages to solve CVE (Critical vulnerability errors)
	○ Adapted code for new package versions and or got rid of removed/deprecated ones
	○ Improved speed performance for pandas CSV/XLSX generation, by getting rid of pandas and made it on the low level API via Python built-in csv and xlsxwriter package
	○ Updated major Django 2.2 LTS to Django 3.2 LTS into the prod
	○ Updated major Python 3.7 to Python 3.10 into the prod

Project #2: Blockchain Rewarding Platform

Stack:	Docker, Python/Django, Solidity, Web3, Keycloak, PostgreSQL, Redis, Django REST Framework
Role:	Software Engineer

Project description:	Transforming rewarding system based on Blockchain technology with generation of internal tokens (coins) as one of the rewarding tools. It is an Ethereum-based appreciation system powered by smart contracts that integrates with existing development platforms. The project goal is to improve motivation by means of gamification with the use of NFTs, traded on an internal NFT exchange platform; provide merchandise traded with tokens on eMerch store.

Achievements:

- ○ Developed and implemented dashboard for merchant store with dynamic role system
- ○ Integrated Web3 (python) listeners for connecting to contract and listen payments to confirm them
- ○ Developed REST API for client side for each part of the merchant store
- ○ Involved to work with smart contracts, write, test and deploy them
- ○ Integrated Redis, Keycloak SSO, GeoIP2 (to segregate content by IP) and AWS S3 storages for static content

Project #3: Express24.uz

Stack: Python, RabbitMQ, RestAPI, Postman, SQL, Nginx, PHP, Docker

Role: Senior software engineer

Project description: Express24.uz is the major food delivery platform in Uzbekistan. It is mainly used in Tashkent, and in my working time there we have launched the platform in regions like Fergana and Samarkand

Achievements:

- ○ Developed and implemented new mobile application for merchants with the group I led
- ○ Involved in 80% of project part to improve and develop features for system
- ○ Led group of developers (less than 5) and maintained the one of the core domains of the project
- ○ Involved to work on integrations with 3rd party services to make their sync more consistently
- ○ Optimized database queries and worked on response performance
- ○ Involved to implement design patterns and solid principle in case of refactoring
- ○ Built RESTful API, that serving data to web/mobile platforms
- ○ Covered much code with necessary unit / integration tests, that securing server from each global update's errors
- ○ Contributed a lot to the product documentation (API - Swagger) and to the company documentation
- ○ Worked with a high-load system, handling about a million requests from Tashkent, Fergana, Samarqand, Bukhara etc. In the same time

Project #4: Medical Test System (test-medical.uz)

Stack: Python, Django, Nginx, MySQL, Gunicorn, JS, JQuery

Role: Senior software engineer

Project description:	System for government medical accreditation (locally). Developed to maintain a testing process with many users (computers) at the same time. Each user is equal to each computer, so administrators can control and manage access to the test, passing results, and printing statistics for each testing day. System includes about 600+ tests for 12 categories (+-50 questions per category) and choosing a category randomly like "AutoTest" after pressing the start button. Also it has limited time to pass this test, which has an impact on results.
Achievements:	○ Developed system from scratch according to real testing processes , which current company has ○ Made computer access control by administrator (remotely) ○ Creating results report generator with ability to print results sheet ○ Wrote random test category choosing and time control for passing test (25 min)

Project #5: Skyceh.ru - CRM/ERP system

Stack:	Python3, Django, MySQL, Bootstrap, JS, jQuery
Role:	Developer
Project description:	This factory CRM/ERP system helps to control factory processes , for example: - Creating orders for workers and giving them a task list attached to it. - Control order preparation, by checking the task list to fill the percentage and uploading photos of the created result. - Control orders' urgency by managers and archive orders to create statistics. - Asking to create "Factory needs" by workers to get necessary instruments and resources from management. System controlling by separated user permissions as: Worker, Manager, CEO.
Achievements:	○ Developed system from scratch for business needs and according to customer's request ○ Automated order processing and watching by creating success percentage and order complete control by checking result's photos existing ○ Globalized factory's business process to make it more clear and open for managers/workers ○ Created statistics, looked like list of orders, separated by month

Project #6: IT-Force Academy CRM (MVP)

Stack:	Python, Django, Telebot, Nginx, MySQL, Gunicorn, JS, JQuery
Role:	Senior software engineer

Project description:	IT-Force Academy is the programming school located in Bukhara, Uzbekistan. CRM system solving main problems, like: - Registering customers and working with their current position (lead, processing etc.) - Accounting students' payments - Showing statistics for understanding marketing KPI according to business mechanisms - Collecting requests from customers from site/ integrated telegram bot
Achievements:	○ Developed system from scratch according to real business processes , which current company has ○ Made Kanban for control customer positions by managers ○ Created auto accounting system and report generator for business needs ○ Integrated site and telegram bot to collect applications from customers ○ Created group/student control panel, included their payments for each month

Project #7: Orchidsale.uz

Stack:	Wordpress CMS, MySQL, Apache, PHP
Role:	Developer
Project description:	E-commerce web site that concentrates on selling orchids. Integrated payment gateways giving opportunity to sell / buy orchids and other products in one click.
Achievements:	○ Developed website, fully according to customer's technical task ○ Integrated Payme and Click payment gateways ○ Optimized SEO, that brings website to 1st Google page shown by actual request ○ Optimized system, that decreased bugs and 5XX server errors percentage

Project #8: Status Dent calendar

Stack:	PHP, JS, Jquery, SQL, Bootstrap, Vue.js
Role:	Software engineer
Project description:	Dental clinic schedule system for booking orders in queue to doctor for each customer's office (there are several of them). Giving ability to book orders for customers for concrete time and day and giving clear view of free and available time. Giving the ability to doctors to control free time and track bookings.
Achievements:	○ Wrote XML api to connect to SOAP service ○ Built view with usable interface for book order and see what time is available for current office ○ Built admin panel to control bookings for each office (department) and control their available time / time range for each customer to book / unavailable days, hours, ranges