YEVHENII ORLOV

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Professional Summary

Experienced Python developer with 10+ years of hands-on experience designing, developing, implementing and testing CRM, CI/CD, SCADA and Web applications and solutions using a range of technologies and programming languages for E-Commerce, Financial, Transport, Scientific, Production and Warehouse domains.

I have experience in Software Architecture & Development (Hi-Load, Distributed, Serverless), Machine Learning, Analytics, Data Engineering & Recruiting.

Technical skills

- **Programming:** Python, Golang
- **Python packages:** FastAPI, Django, Chalice, Starlite, DRF, Pydantic, python-dependency-injector, sqlalchemy, pandas, pySpark, boto3, pytest, aioboto, uv, poetry
- **Golang packages:** gin, testify, gorm, validator
- **Cloud:** AWS, Kubernetes, Helm, Docker
- **Databases:** PostgreSQL, DynamoDB, MySQL, MS SQL Server, MongoDB, Redshift, Redis
- **Messaging/Streaming:** AWS SQS, AWS SNS, AWS Kinesis DataStream, AWS Kinesis Firehose, Kafka
- **DevOps:** GitHub Actions, Jenkins, Azure DevOps, Docker, compose, make, Terraform, CloudFormation, Kubernetes, Fluxci, Helm, Langfuse, CloudWatch, ELK, Prometheus, Grafana
- **SCADA:** Ignition SCADA 7, 8
- **Architecture**: monolith, microservices, serverless, event-driven

Work Experience

Deloitte (January 2026 - Present)

Role: Senior Python Developer
Description: The project purpose is to create and maintain a SOAR system based on IBM QRadar for one of the largest automobile manufacturer.
Technologies: Kubernetes, Helm, Docker, compose, make, bash, Python 3, Dependency Injector, IBM QRadar, Reactjs.

Intellias (April 2024 - December 2025)

Role: Senior Python Developer

Description: The project's purpose was to create a corporate platform for documents into a Data Lake and train a RAG model to support both external clients and employees. The initial objective was to develop a basic RAG chatbot for MWP.

Responsibilities:
- Managing AWS Account and services for entire team
- Parsing and converting various documents (pdf, word, excel etc)
- Developed CloudFormation templates for solution
- Develop Glue crawlers to collect company data and inject it into S3 Data Lake

Achievements:
- Introduced AWS DMS and AWS Glue for data migration into S3 DataLake
- Implemented AWS Code* CI/CD
- Introduced AWS CloudFomation and moved part of an application into CF Stacks
- Migrate DataLake from S3 to Parquet, reduced code and development time
- Implemented various similarity metrics for documents
- Migrate Databases (MS SQL Server, MongoDB and PostgreSQL) to S3 via DMS
- Introduced Athena for ad-hoc data queries, Athena replaced Redshift cluster, saving 240$ mothly

Technologies: Python, pandas, pySpark, boto3 sqlAlchemy, AWS RDS, AWS EC2, AWS IAM, AWS EKS, AWS S3, AWS Glue, AWS DMS, AWS Redshift, AWS Athena, AWS CloudWatch, AWS VPC, AWS Bedrock, AWS DynamoDB, AWS SageMaker, AWS ALB, AWS WAF, Terraform, Docker, compose, make, bash.

Taras Shevchenko National University of Kyiv (Sept. 2023 - Dec. 2023)

Role: Assistant Lecturer
Description: Taras Shevchenko National University of Kyiv is a leading Ukrainian university with more than 40 thousand students. This position was centered around the UNIX OS course and involved its ground up revision and development including new lecture materials with practical tasks based on modern IT solutions.

Responsibilities:
- Studying plan development
- Practice work development
- Lecturing and running seminars on UNIX OS
- Preparing control works.
- Participation in final exams

Technologies: UNIX OS, C, C++, bash, Python 3.

MINT.ai (February 2023 - August 2023)

Role: Senior Python Developer
Description: MINT.ai is a world largest provider of advertisement solutions.
The purpose of my project was to rewrite and support existing high load capable system that generates advertisement campaigns.

Responsibilities:
- Design and develop REST services including requirements gathering, load and cost estimation, CI/CD, unit and integration tests development, monitoring and security aspects
- Refactoring/rewriting legacy systems
- Performing code reviews

Achievements:
- Re-designed and implemented several REST services
- Introduced new technological concepts including tracing, code as doc, dependency injection etc

Technologies: REST, web application design, CI/CD design, Python 3, AWS EKS, AWS ECR, AWS ALB, AWS CloudWatch, AWS IAM, AWS KMS, AWS RDS, Github Actions, Kubernetes, Docker, Compose, FastAPI, pydantic, typedi, pytest, SQLAlchemy, JavaScript, ReactJS, DependaBot, Bash, Make.

SPS Commerce Ukraine (June 2021 - December 2022)

Role: Senior Python Developer
Description: SPS Commerce is a world largest supplier of a cloud based supply chain management software. The broad goal of this software is to support fulfillment operations: connect supplier and seller, manage and track warehouse levels, prepare supporting documents like box labels and related tracking info.
The purpose of my project was to develop and support a high load capable system that generates labels and box descriptions for suppliers based on customer's label standards.

Responsibilities:
- Support clients and internal teams
- Design and develop REST services including requirements gathering, load and cost estimation, CI/CD, unit and integration tests development, monitoring and security aspects
- Performing regular load tests
- Refactoring/rewriting legacy systems
- Incidents management
- Introduce new technological concepts and practices
- Preparing and conducting interviews
- Mentoring and training junes and newcomers
- Performing code reviews

Achievements:
- Designed and implemented several REST services
- Refactored existing system achieving increase in performance 30-70% and resource usage reduction
- Upgraded existing services including transition to EKS and Azure Pipelines from variety of computes and CI/CD pipelines
- Introduced service multi region deployment (Active-Active Pilot), hence system is safe to AWS region failure
- Introduced new technological concepts including stoplight integration, tracing, code as doc, dependency injection, continuous profiling etc
- Raised test code coverage to 70-90%
- Developed load testing service
- Added essential service monitoring
- Created documentation Stoplight deployment pipeline
- Developed CS study program for company internal mobility program
- Developed mentoring plan for newcomers

Technologies: REST, SOAP, web application design, CI/CD design, Python 3, bash, Java, Java Swing, Apache F.O.P, Golang, Golang Gin, AWS ECS, AWS EKS, AWS EC2, AWS Lambda, AWS S3, AWS CloudFront, AWS ECR, AWS ALB, AWS CloudWatch, AWS SQS,

AWS IAM, AWS KMS, AWS Kinesis DataStream, Ansible, Azure Pipelines, Github Actions, Jenkins, Kubernetes, Docker, Compose, FastAPI, pydantic, typedi, pytest, newman, ab, Locust, SQLAlchemy, Flask 1-2, Django 2-3, Nginx, OPA, JWT, JavaScript, ReactJS, Sumologic, Prometheus, Grafana, Jaeger, Profefe, Sentry, PagerDuty, DependaBot, Artifactory, Bash, Make, Web Sockets.

Intersog (May 2020 - June 2021)

Role: Senior Python Developer | SCADA Integrator
Description: Worked on WasteManagement project to incorporate water clearance process into an Ignition SCADA system. The system was responsible for tracking incoming waste via manual entry and sensor incorporation.
Responsibilities:
-   Take part in requirements gathering and meetings with clients
-   Design and implement REST/SCADA services
-   Deploy and support designed system
-   End user training
-   Prepare and conduct tech interviews
Achievements:
-   Designed and implemented SCADA based solution for WM Corp. production facility including Web, Desktop and Mobile based solutions.
-   Upgraded city water management SCADA solution from 7 to 8 Ignition SCADA version
-   Took part in development SCADA based Tesla's QA system
-   Ignition SCADA Silver certification
-   Ignition SCADA Gold certification
Technologies: Ignition SCADA 7-8, AMQP, Microsoft SQL Server, MySQL, Jython 2.6, Python 3.9, Flask 1, Django 2, Zabbix, Vagrant, Sentry, AWS EC2, RDS, MQTT, OPC.

Taras Shevchenko National University of Kyiv (Sept. 2019 - Feb. 2020)

Role: Assistant Lecturer
Description: Taras Shevchenko National University of Kyiv is a leading Ukrainian university with more than 40 thousand students. This position was centered around the UNIX OS course and involved its ground up revision and development including new lecture materials with practical tasks based on modern IT solutions.
Responsibilities:
-   Studying plan development
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-   Participation in final exams
Technologies: UNIX OS, C, C++, bash, Python 3.

Ciklum (April 2017 - August 2017)

Role: Python Developer
Description: Worked on a short term contract for Intuit Inc. The goal of the project was to rewrite existing PHP based system with a newer technological stack.

Responsibilities:
- Implemented REST service
- Designed and implemented monitoring system
- Perform PR reviews

Achievements:
- Developed custom continuous profiling system for Flask application

Technologies: Docker, Compose, Vagrant, AWS ECS, AWS ECR, PHP Symphony, Python 3.8, Flask 1, marshmallow, MongoDB, Auth0, Nodejs, Nodejs Express.

SurfAir LLC (October 2017 - April 2020)

Role: Python Developer
Description: Participated in porting system from perl to Python based web application for airline company. Developed an integration with ticket booking systems, web interface for end users and back interface for airline management.

Responsibilities:
- Design and implemented REST endpoints
- Design and implemented user interface
- Implement monitoring solutions
- Rewrite existing perl application into a Django based web application

Achievements:
- Developed an integration with booking system
- Designed and developed airplanes tracking system
- Discovered and moved large chunk of ticket booking functionality from perl to Django

Technologies: Nodejs, Python 3.7, Django 1.8, DRF, Flask 1, Nodejs 8, Perl, Bash, Docker, Compose, pytest, Selenium, Celery, MySQL 5.6, Memcache, AWS EC2, AWS SQS, Jenkins, ReactJS.

Evo Company (August 2017 - October 2017)

Role: Intern Python Developer
Description: Internship program. Participated in the development of a warehouse management system.

Responsibilities:
- Design web application architecture
- Design DB schema
- Implement GraphQL API
- Implement user interface via ReactJS

Achievements:
- Designed and implemented DB schema
- Designed and implemented service containerisation and CI/CD pipeline

Technologies: Python 3.6, aiohttp, SQLAlchemy, marshmallow, Docker, Compose, ReactJS, GraphQL, ELK, Jenkins, Kubernetes, MySQL, Redis, GitLab CI/CD.

University of Konstanz (Germany) (April 2017 - August 2017)

Role: Python Developer

Description: Worked on Echo State Network library implementation. Implemented basic ESN network with multiple learning algorithms according to Herbert Jaeger papers under supervision of prof. Christine Peter. ESN were tested on molecular simulation models. Paper with a summary of work was published.

Responsibilities:
- Develop NN
- Prepare and utilized chemical data for NN training

Achievements:
- Developed ESN framework
- Implemented multiple NN learning algorithms
- Utilized chemical data specific dimension reduction algorithm
- Published a paper with study results

Technologies: Python 2.7, Pandas, NumPy, Keras, SciPy.

Adrio Software (August 2016 - November 2016)

Role: Python Developer
Description: upwork project. Implemented E-Commerce solutions.
Achievements:
- Designed and implemented prepandpack.us fulfillment application

Responsibilities:
- Worked on various E-Commerce web sites and integrations
- Integrate fulfillment service with Amazon marketplace API

Technologies: Python 3.5, lxml, Django 1.8, RQ, Docker, Compose, AWS EC2, Zoho.

Maga Design (November 2015 - February 2016)

Role: Python Developer
Description: upwork project. Project goal was to develop document processing system with rich user interface
Responsibilities:
- Implement document parsing and document generation
- Implement Django application

Technologies: Python 2.7, Django 1.6.

Key Locations (February 2015 - November 2015)

Role: Python Developer
Description: project goal was to develop a Singapore information system that gathered and combined information from various sources including API and public pages.
Responsibilities:
- Writing asynchronous scripts for data scraping
- Inserting information into a DB

Technologies: Python 2.7, Twisted, Scrapy, LXML, Selenium, JavaScript, MySQL.

Education

Bachelor of Engineering (B.Eng.), Computer science | National Technical University of Ukraine "Kyiv Polytechnic Institute" (2012-2016)
GPA: 4.5
Diploma thesis: Medical image filtering.
Project description: The goal of the project was to develop an application capable of filtering skull, eyeballs, midbrain and noise from human brain 3D Magnetic resonance images. The purpose of this software was to develop an application that lets doctors work with particular regions of interest.
Technology stack: Java 7, Swing, dcm4che (Java DICOM library).

Master of Computer Applications (M.C.A.), Computer Vision | Taras Shevchenko National University of Kyiv (2016 – 2018)
GPA: 4.8
Diploma thesis: Context-based video information retrieval. The goal of the application was to develop an application that will split video into a particular "region of interest" via cutting video based on metainformation: video cuts, objects etc.
Technology stack: Python 2.7, Keras, OpenCV 3, C++11, PostgreSQL.

Doctor of Philosophy (Ph.D.), Computer science | Taras Shevchenko National University of Kyiv (2018 - 2023)
Diploma thesis: Development of context-based video information retrieval. The idea is to develop a video search engine based on video cuts detection, object detection etc.
Technology stack: Python 3.10, TensorFlow 2, Keras, C++11, PostgreSQL 10, Elasticsearch 6.

Certificates

1. [AWS Certified Solution Architect Associate](#)
2. [AWS Certified Data Engineer - Associate](#)
3. [AWS Certified Developer Associate](#)
4. [AWS Certified Cloud Practitioner](#)
5. [AWS Certified AI Practitioner](#)
6. [AWS Certified Machine Learning Engineer](#)
7. B2 english certificate