

## Summary

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Senior Python Developer with expertise in medical imaging and AI fields, backed by a solid education in computer science and applied mathematics

Proficient in various programming languages and tools, experienced in working both independently and as part of a team

## Education

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- BS Francisk Skorina Gomel State University**, Computer Science Belarus, Gomel  
2014 to 2018
- GPA: 3.86/4.0
  - Diploma with distinction
- MS Francisk Skorina Gomel State University**, Applied Mathematics Belarus, Gomel  
2018 to 2021

## Experience

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- Hiveomics LTD**, Senior Python Developer Tbilisi, Georgia  
Mar. 2022 to Jan. 2024
- Developed a multimodal reporting service, for report generation in DICOM, HTML, or PDF formats
  - Added functionality to TensorFlow-based applications
  - Wrote and optimized SQL queries for a Grafana-based reporting tool
  - Developed Dockerfiles for GPU-enabled containers with AI image processing software
  - Deployed containers to on-premise machines using Docker Compose
  - Developed and maintained CI/CD pipelines utilizing Jenkins, Make, bash and Docker
  - Developed an extension for git that allows to work with multiple repositories in the same folder
- EffectiveSoft LTD**, Senior Python Developer Minsk, Belarus  
Jan. 2020 to Feb. 2022
- Developed a server for Tensorflow-based applications with support for HTTP, RabbitMQ, SQS and RPC
  - Unified and migrated legacy codebases to support new infrastructure with zero downtime
  - Reviewed pull requests for AI developers as a Python expert
  - Developed an Extract-Transform-Load service deployed with AWS Step Functions
- iTechArt Group**, Middle Python Developer Minsk, Belarus  
July 2018 to Aug. 2019
- Managed client communication across multiple time zones
  - Reverse-engineered a partially closed-source software
  - Added functionality for a table ordering service
  - Developed a data transformation and migration tool

**IBA Group**, Python Developer

Gomel, Belarus  
Jan. 2017 to June 2018

- Developed an ORM tool for synchronization between two databases
- Maintained communication with client
- Optimized MongoDB queries
- Extracted and transformed data from a legacy database to a new one

## Projects

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### Aircraft Maintenance Manual Parser

Sept. 2023

- Developed a parser, conversion and comparison tool for XML manual(s)
- Processed mostly unstructured XML data, containing human-readable text within its tags
- Designed the parser to seamlessly process and integrate structural discrepancies found in different revisions of the same manual

### Multimodal Medical Reporting System

Mar. 2022

- Implemented report generation in various formats, such as DicomSR, HTML and PDF
- Developed a client-specific Jinja extension for medical report templates
- Implemented an image generation for reports, based on the medical study images and its findings on the images

### Medical Images Processing AI Service

Jan. 2020

- Developed an application server for Tensorflow
- Contributed to the development of the License Server
- Transformed the service ecosystem from on-premise deployments to a fully cloud-based service

### Incidents Prediction AI Service

Jan. 2018

- Designed and implemented an API for a traffic prediction AI system
- Developed an ORM tool for data integration from two sources
- The abovementioned ORM tool saved money and increased client-side response time by decreasing the amount of data stored in the cloud database

## Tools And Technologies

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**Programming Languages:** Python, JavaScript, Go, Bash, Haskell (Elementary)

**Development Tools:** Linux, Windows, Git, Docker, Jenkins, Make

**Databases:** PostgreSQL, MySQL, MS SQL, MongoDB, Redis, Firebase

**ORMs and Template Engines:** SQLAlchemy, Django ORM, PonyORM, Gino, Django Template Language, Jinja2

**Python Libraries and Tools:** asyncio, sqlalchemy, lxml, requests, aiohttp, celery, redis, pydantic, starlette, pika, aiopika, aioboto3, boto3, weasyprint, dry-python/returns, pydicom, pipx, pdm, poetry, black, ruff

**Cloud Providers and Services:** AWS, Azure, Heroku, Nebius, AWS Lambda, AWS Stem Functions, SQS, S3, Azure Blob Storage, Azure Queue Storage

## Languages

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**Native:** Russian, Belarusian

**C2:** English

**A2:** Hebrew

## Additional Experience

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### **Jewish Educator**

2013 to present

- Together with other educators, I've been organizing educational seminars for youth for 7 years
- Worked in a team of more than 100 people
- I present lectures and lead various educational activities