Michael Drozdovsky

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Summary

Highly experienced Python developer with team leading skills and extensive knowledge in data processing systems, Blockchain and Data Mining.

Education

Bauman Moscow State Technical University, M.A. Computer Science, 2013
Thesis: «IR Systems with Semantic Analysis» (BA), «Applied self-adaptive gamification framework based on machine learning and collaborative filtering» (MA)
Languages known: English, French, Russian

Taken electives on: High-load systems design, Distributed systems, Machine learning

Technical Experience

Primary: Python, C/C++, aiohttp, flask, fastapi, Tornado
DBMS: PostgreSQL, MySQL, MongoDB, Redis, Elasticsearch, ClickHouse
Frontend: HTML5, JS/jQuery/Angular
Concepts: machine learning, natural language processing, information retrieval, OOP and FP design patterns, classic algorithms and data structures, microservice architectural patterns

Work Experience

Product Owner / Leading Developer

Netology LLC, NOV 2021 — MAR 2023
Responsible for the architecture, development planning and team leading for

the automatic code execution and assessment service within the in-house educational platform

Senior Developer (ML)

Avito LLC, DEC 2020 — SEP 2021
Development of various in-house tools required to measure quality and performance characteristics of the main search engine and various recommendation models deployed across different services of the «avito.ru» classifieds service; design and development of classification and prediction models

Chief Technology Officer

Skillholders LLC, AUG 2013 — SEP 2020
Full-cycle analytical and data mining systems development, technical and product consulting. Have successfully released over 20 projects, the latest are:
– MyConomy, a platform that aggregates items from offline stores and shows suggestions on the map if someone wants to buy groceries or housewares. Built with Python/Flask/Tornado and successfully launched in SEP 2014.
– Travelab, a backend service for dynamic tour building. The platform provides REST APIs for the most popular ticket providers in Russia, Aviasales (aviasales.ru) and ClickAvia (clickavia.ru, travelab.ru)
— Rights Managements system for Artem Gorbunov Design Bureau (artgorbunov.ru/en)
— Pocket.DJ, online music streaming service with personalized interest-based recommendations. Built with Python, Flask and Celery from scratch, we managed to make the most advanced audio recommendation engine amongst russian streaming services
— EtherSurance, P2P insurance service prototype, based on Blockchain
— Trood CIS, web-based ERP software for large-scale enterprises (http://trood.ru)

Leading Developer (ML)

Absolutely No Nonsense Admin Ltd., MAR 2018 — AUG 2019
Team leading in Anti-Fraud Division, responsible for the design of the fraud prevention solutions, integration with third-party intelligence partners (ID and Utility Bill verifications) and development of machine learning models to identify fraudulent transactions in realtime.

Deep Learning Expert

MonStyle OG, AUG 2016 — DEC 2016
Short-term contract with MonStyle OG company based in Vienna, Austria.
Architecture and adoption of deep learning models to the task of classifying
fashion-related product images.

Python Developer (Highload Web Services)

Mail.Ru Group Limited, MAR 2013 — JUL 2013
Architecture and development for "Documents@Mail.Ru" online document
viewer and editor.

Leading Python Developer

Comvers LLC, FEB 2012 — MAR 2013
– System design and implementation for high-load mobile web portal
– Research and development in speech analysis and high-scalable data
storage for NeoDialog Online Training Software

Product Owner

Simple Visuals LLC, NOV 2011 — FEB 2012
– System design and implementation for Soundation (soundation.ru)
community web portal
– System architecture, development and post-production testing for Pictator
image hosting
– Various web and intranet projects for third-party companies

Enterprise Developer

APNet ZAO, FEB 2011 — NOV 2011
– Rebuilt from scratch and successfully launched custom CRM system for
Fujitsu Siemens Computers GmbH
– Development, testing and refactoring for Intel Online (Russian office)
Reseller Center

Freelance Developer (PHP, Python)

Drozdovsky Lab LLC, JAN 2009 — NOV 2011
Team Lead and Software Architect for CRINKL Context Advertising System
(http://crinkl.ru/)

Research and software design for high-scalable Information Retrieval System

Ushinsky Public Library, SEP 2010 — JAN 2011
Contract for the research and development of the IR system for Online Public
Library project (http://feb-web.ru/)

Web Developer (PHP, C#)

Territory Realty LLC, MAY 2007 — DEC 2008
Various web and intranet in-house projects, including data processing
software and customer tracking system