Philipp B.
Senior Python Engineer

SUMMARY

- Experience in developing 8+ years - 8+ years of professional experience with Python - Experience in development projects using: Python, Spark, Hadoop, Kafka - Good knowledge in Machine Learning (Keras, Tensorflow) - Experience with databases such as PostgreSQL, SQLite, MySQL, Redis, MongoDB - Experience in program automation testing. - Upper-intermediate English - Available ASAP

TECHNICAL SKILLS

Main Technical Skills	Python
Programming Languages	JavaScript, Python
Python Frameworks	CherryPY, Django, Flask, Tornado
Mobile Frameworks and Libraries	Fabric
Python Libraries and Tools	Fabric, Keras, mod_wsgi, NumPy, Pandas, Pyflakes, pylint, TensorFlow, Twisted
JavaScript Libraries and Tools	Grunt, Gulp.js
Java Libraries and Tools	Hudson, JSON
JavaScript Frameworks	jQuery
AI & Machine Learning	Keras, NumPy, TensorFlow
Data Analysis and Visualization Technologies	Apache Airflow, Apache Spark Streaming, ETL, Pandas, Tableau
Security	Tornado
Databases & Management Systems / ORM	Apache Druid, Apache Hadoop, Apache Spark Streaming, AWS DynamoDB, AWS ElasticSearch, AWS Redshift, Cassandra, Memcached, MongoDB, MySQL, NoSQL, PostGIS, PostgreSQL, Redis, SQL, SQLAlchemy, SQLite
UI Frameworks, Libraries, and Browsers	Bootstrap, HTML, jQuery
Cloud Platforms, Services & Computing	AWS, CloudFlare, GCP
Amazon Web Services	AWS CloudFront, AWS DynamoDB, AWS EB (Amazon Elastic Beanstalk), AWS EBS, AWS EC2, AWS ElasticSearch, AWS Kinesis, AWS Lambda, AWS RDS (Amazon Relational

	Database Service), AWS Redshift, AWS S3, AWS SNS, AWS SQS
Google Cloud Platform	Google App Engine
Methodologies, Paradigms and Patterns	Agile, Kanban, Scrum, TDD
Deployment, CI/CD & Administration	Ansible, Jenkins
Platforms	Apache Solr, Odoo
Collaboration, Task & Issue Tracking	Atlassian Trello, Jira, Redmine
Scripting and Command Line Interfaces	Bash, *nix Shell Scripts
Version Control	BitBucket, Git, Mercurial
File Systems, Storage	CSV
Virtualization, Containers and Orchestration	Docker, Kubernetes, Terraform
Codecs & Media Containers	Ffmpeg
Operating Systems	FreeBSD, Linux, macOS, Unix, Windows
Mail / Network Protocols / Data transfer	FTP
Logging and Monitoring	Grafana, Nagios
Web/App Servers, Middleware	gUnicorn, Nginx, Tornado
Third Party Tools / IDEs / SDK / Services	Jinja2
Message/Queue/Task Brokers	Kafka, RabbitMQ
SDK / API and Integrations	RESTful API
QA, Test Automation, Security	Selenium Webdriver, Unit Testing
Hosting, Control Panels	uWSGI
Other Technical Skills	Jabber, Pisa, Puppets, Solar, Spark Core, Step functions, win32.com, win32 COM

EXPERIENCE

Python Developer

December 2013 - Present

PROJECTS

Under NDA

Description: Is personalization software for consumer-facing brands, which enables marketers to create individual experiences. It is Intelligent Personalization Engine makes it easy to test and optimize, segment and target, and create true 1-to-1 experiences. Marketers have the flexibility to leverage proven approaches to improve the customer experience across web, email, mobile apps, in-store, and other touch points. The Engine also covers all aspects of the customer's experience with the brands, from content and creative to product recommendations and offers.
Responsibilities:

- Migrating entire codebase to Python 3.7
- Testing and code review, TDD
- Meetings with consumers, support

Technologies: Python, Django, CherryPY, Elasticsearch, MySQL, Docker, AWS EC2

Under NDA

Description: App for calling, analyze the content of the conversation, integrates with the customer's back office systems
Responsibilities:

- Wrinig new algorythms for data scrapping
- Wrinig new algorythms for voice transcription
- Implementing new features
- Meetings with consumers, support

Technologies: Python, Flask, Redis, MongoDB, Docker, Google APP Engine

Under NDA

Description: DDOS attacks protection service
Responsibilities:

- Microservices architecture planning;
- Coding back-end for microservices
- Testing and code review, TDD
- Dev-team management, code review
- Design and integrate REST APIs between entire infrastructure
- Meetings with consumers, support

Technologies: Phyton, Django, MongoDB, Django REST framework, Google Cloud, Multithreading / processing

Dhi- Lengo

Description: Search for a professional audience and targeted advertising on facebook, twitter
Responsibilities:

- Knowledge transfer sessions
- Designing new algorythms for audience search
- Implementing new features
- Testing and code review, TDD

Technologies: Python, Flask, Solr, MongoDB, Docker, AWS Elastic Beanstalk

Under NDA

Description: E-commerce website with own shipping and CRM system
Responsibilities:

- Developing of back-end part of application
- Bug fixing and implementing new features
- Consumers support

Technologies: Python, Django, PostgreSQL, Apache CouchDB, NoSQL, Redis, ElasticSearch, Solar

Corporate time tracking system

Description: Jabber bot that could parse incoming messages via XMPP protocol and “understand” specific commands to manage tickets and time logs through Redmine API. In addition, was implemented invoice generating function in PDF format.
Responsibilities:

- Developing of back-end part of application
- Technical consultation
- Performance testing and optimization
- Bug fixing and implementing new features
- Consumers support

Technologies: Python, Django, PostgreSQL, Jabber, Kafka, Spark Streaming, Google Cloud, Pisa

E-Commerce portal with competitive websites analytics

Description: One of the biggest German E-Commerce portals of motorcycle parts trading. Project Includes scraping of competitive sites for prices analysis.
Responsibilities:

- QA audit;
- Developing content scraping system;
- Implementing unit and functional tests;
- Designed DB.

Technologies: Python, Flask, Odoo, PostgreSQL, PostGIS, Amazon Web Services (S3, Redshift, EC2, SNS), REST

Trading bot

Description: Program that continuously analyzes the European Energy Exchange, evaluates and participates in electricity trading. Trading Bot can replace an entire department of business analysts
Responsibilities:

- Application deployment and delivery;
- Design and prototype main business logic;
- Developing process of synchronization with remote server;
- Designed DB;
- Support

Technologies: Python, Django, win32 COM, FTP, Nagios, ETL, MySQL, REST, CSV, Apache Druid, Cassandra, Spark Core, MS Office program interaction, High availability architecture.

Corporate booking platform

Description: Complex search of accommodation and conference services for corporate events of large teams. Complex parameterized search, options comparison, negotiations system, statistics and some white-label flavor.
Responsibilities:

- Implementing complex translation framework;
- Developing price calculator;
- Testing and code review, TDD;
- Feature development for fuel web-backend;
- Meetings with consumer

Technologies: Python, Django, MySQL, jQuery SQLAlchemy, Grafana, Puppets, Azkaban, Google Cloud

E-Learning Platform

Description: Multilingual (12 languages) and multi-vendor E-Learning platform built for a world renowned beauty brand serving the needs of beauty salons and professionals. Complex stack including web, desktop and iPad applications.
Responsibilities:

- Refactoring the whole project;
- Upgrading to newer version of Django framework;
- Reviewed code of other contributors

Technologies: Python, Django, PostgreSQL, ETL, Amazon Web Services (S3, Redshift, EC2, SNS, SQS), ffmpeg

BI Reports Builder

Description: BI solution for fast report building. System predicts “most interesting” charts in imported dataset to build a gallery of suggestions. Fast OLAP, Salesforce API and CSV import.
Responsibilities:

- Construct main flow for interacting with Salesforce API;
- Design toolset for building graphics in BI Reports;
- Developed tool and functional tests for workload migration;
- Developed tool for load testing;
- Testing and code review, TDD

Technologies: Python, Django, PostgreSQL, REST, Kafka, Spark Streaming

Automation tests system

Description: Complex automation tests system for mobile application operating with GSM modems through usb interface
Responsibilities:

- Developing of back-end part of application;
- Code reviewing;
- Developed tests;

- Meetings with consumers

Technologies: Python, Unit tests, bash

EDUCATION

Master's degree in Computer Science, N. Karazin Kharkiv National University

2007 -2013