Ivan Dimitrov, MSc

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LinkedIn Profile

Education

University of Belgrade, School of Electrical Engineering
Department of Software Engineering (Master's degree)   2016 - 2018

University of Belgrade, School of Electrical Engineering
Department of Software Engineering (Bachelor's degree)   2012 - 2016

Experience

Software Engineer (Backend) / Data Analyst – Toptal   01/2019 - present

- *After 4 years of experience with office-based jobs, I decided to jump to more remote positions and challenge myself in new areas. During my time on the Toptal platform I worked on multiple (mostly) smaller projects which gave me a larger amount of freedom and independence.*

Software Engineer (Python) – Symphony   06/2016 - 07/2019

- *Developed and managed multiple projects. Apart from working on technical tasks, my duties included regular code reviews, interviewing candidates and team lead responsibilities.*

Web Developer Internship - *Toschas*   02/2016 - 05/2016

- *Developed skills in web technologies, especially on the frontend side. My main focus as an intern was to develop an AngularJS application using Firebase as the database backend.*

Student Assistant - *School of Electrical Engineering, University of Belgrade*   2013 - 2016

- *Assisting younger students during lab exercises on the following courses: Algorithms and Data Structures, Introduction to Programming and Operating systems. Examined and critiqued student projects and their knowledge.*

Projects

Cisco Monitoring Application [Backend Developer] - Toptal   07/2019 - 04/2020

Technology stack: Django REST Framework, MS SQL, Red Hat, Celery

- *Project Main Responsibilities Included: Establishing a connection with the MS SQL database which contained all data regarding the workload of the Cisco call center system, transforming the data, which was fetched from the Cisco database and persisting it in the local database for further manipulation, creating REST APIs for accessing*

the metrics data which would be consumed by the front-end applications, deploying the application on an inhouse server.

eCommerce Applications for a Flooring Company - Toptal   01/2020 - present

Technology stack: Django REST Framework, Celery, AWS, PostgreSQL

- *I was the back-end engineer on this project and I built the Django application from scratch. Project Main Responsibilities included: designing and implementing all the REST APIs based on the design prototype, architecting the data pipeline for retrieving the data from the Quickbooks application deploying the application on AWS services.*

Data Analyst for YipitData (project details under NDA) - Toptal   07/2019 – present

Technology stack: Python, SQL, Apache, Databricks

- *This role represents a deviation from my previous roles, on this project my role had elements of multiple roles - Product Owner, Data Analyst and Software Engineer.*

Dyno Nobel (project details under NDA) - *Symphony*   02/2017 – 06/2019
Technology stack: Python, Django, Celery, PostgreSQL, Docker, Flask
- *Being one of the first developers of the project gave me the insight on scaling a team from 3 to 15 people. My responsibilities on this project included the following:*
  - o *Implementing parallel processing pipelines with Celery for CPU intensive tasks;*
  - o *Designing and implementing parts a microservice system including restructuring of the backend services;*
  - o *Working closely with Subject Matter Experts in defining and implementing algorithms;*
  - o *Team lead responsibilities.*

Carlypso – *Symphony*   07/2016 – 02/2017
Technology stack: Python, Scrapy, MySql
- *This project was a SF startup focused on collecting and processing data about second-hand car auctions from multiple sources. Using the collected data, users would be able to find the best fit for their needs. I was responsible for maintaining a few services which were written in Python and used the Scrapy framework for collecting data. One of my biggest challenges on this project was to connect an existing service with a new module which was developed by a Data Scientist.*

Volunteer

- **"Introduction to Python" Meetup Talk -** Held a 45 min talk on a meetup organized by Symphony.
- **PyCon Balkan 2018 and 2019 Talk Proposal Reviewer –** I was part of the team responsible for reviewing, providing feedback and selecting talks for the Python Conference for Eastern Europe.

Skills

Advanced Level Skills: Python, Django, Flask, Microservices, PHP, Algorithms, Git, Agile

Medium Level Skills: SQL, Docker, Java, Linux, JavaScript, AWS, GCP, CI

Languages

English (professional/fluent), German (elementary), Serbian (native)