ALEXANDRU BOBOC

DevOps Engineer & Software Developer

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WORK

DevOps Engineer & AI Developer
Kompyte

📅 2017 – 2018   📍 Barcelona, Spain

- Developed tools to automate the execution of 500,000 daily critical tasks on a **Kubernetes cluster managed with AWS**.
- Optimized and automated deploy of the core application with Docker and Azure resources, decreasing downtime drastically.
- Managed and maintained large **MongoDB databases**.
- Documented development processes and provided internal training to other members.
- Designed and implemented predictive systems with over 90% precision, using **Python, Tensorflow and Sklearn**.
- Wrote complex data-scraping workflows using Node.JS.
- Actively participated in internal strategic meetings and **worked hand in hand with the CTO**. Joined the department as employee #2.
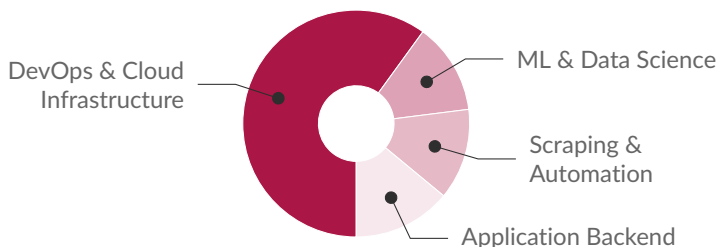
DevOps Architecture Intern
Everis Consulting

📅 2016 – 2017   📍 Barcelona, Spain

- Maintained an Ansible project employing Docker and Nginx to deploy and test a distributed cache.
- Implemented the automatic deploy of a proof-of-concept **CI/CD pipeline** composed by Gitlab, Jenkins and Nexus using Vagrant and Docker.
- Designed and implemented an AI Python tool to provide a **Docker Swarm** with self-healing capabilities. Employed Docker Compose, ElasticSearch, Kibana, JMeter and Vagrant.
- Provided support in formative enterprise sessions.

EXPERIENCE

DevOps & Cloud Infrastructure · ML & Data Science · Scraping & Automation · Application Backend

PUBLICATIONS

📑 Dissertations

- *Analysis, design and implementation of highly-available architectures for supporting modern web applications* (2018). URL: `alexboboc.com/fp`.
- *Internet By The Numbers, an in-depth study of the society-wide impact of the internet* (2014). URL: `alexboboc.com/ibtn`.

ME

Highly motivated, knowledge-thirsty and naturally curious.

EDUCATION

BSc in Computer Science
University Pompeu Fabra

📅 2014 – 2018   📍 Barcelona, Spain

STRENGTHS

Automation · DevOps · Python · Docker · AWS · Software Engineering · Development · Node · C++ · Linux

Perfectionist · Planner · Public speaker · Problem solver · Autodidact

SIDE PROJECTS

@Concinnus
Twitter & Instagram bot that publishes an abstract gif every hour

@CocktailsBot
Twitter bot that posts beautifully-formatted cocktail recipes

@LetsPlayTrivia
Bot tweeting trivia questions as polls every hour

Alex Boboc Blog
Personal blog, mainly used for technical commentary on side projects

REFERENCES

Prof. Javier Agenjo
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Tech Leader Iván J. Correa
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