

## SUMMARY

Software Engineer with more than 5 years of working experience in the field of Software Development, Data Science, Data Engineering & MLOps. Has worked in various sectors from Digital Marketing to e-Commerce. Loves to work with Modern Data Stacks and productize Machine Learning Systems. He usually contributes to FOSS projects during the night.

## EXPERIENCE

- Netdata** Remote  
• *Senior Data Engineer* Oct. 2021 – Aug. 2022  
Development, maintenance and monitoring of ETL pipelines for BI purposes using *Apache Airflow*, *Cloud Functions* and *BigQuery*. Implementation of Data Lineages (for data observability purposes) using *DataHub*. Introduction of *great\_expectation* for data validation and sanity checks. Ingestion ETL pipelines using third-party API services.  
**Technologies:** *GCP, BigQuery, Cloud Functions, Apache Airflow, DataHub, Github, Docker, Terraform, great\_expectations*
- Convert Group** Athens, Greece  
• *Data Engineer* May 2020 – Sep. 2021  
Development of ETL pipelines and data automation pipelines. Deployment of Machine Learning models into production. Contribution on back-end development of eRetail Content platform.  
**Technologies:** *Prefect, AWS, Django/REST, Docker, PostgreSQL, Amazon Redshift, Celery, MLflow, Terraform*
- XPLAIN** Athens, Greece  
• *Data Scientist* Feb. 2017 – Apr. 2020  
Data and Text Mining using state-of-the-art and disruptive methods. Design and development of distributed web crawlers. Database administration and optimization. Implementation of workflow pipelines. Deployment of ML models to production as RESTfull API services.  
**Technologies:** *Python, MySQL, Celery, Docker Swarm, ELK, spaCy, NumPy/pandas*
- Sociality** Athens, Greece  
• *Junior Web Developer – Intern* Feb. 2016 – Jun. 2016  
Web development using WordPress. Implementation of WordPress plugins for Woocommerce. Development of custom functionalities for WordPress.  
**Technologies:** *WordPress, PHP, MySQL, JavaScript, HTML/CSS*

## TECHNICAL SKILLS

- **Programming Languages:** Python, Shell, SQL, PHP
- **Databases & Data Warehouses :** MySQL, Redis, PostgreSQL, Elastic Stack, BigQuery
- **Data & ML Workflow Platforms:** Prefect, MLflow, Apache Airflow, great\_expectations
- **Data Science & NLP::** pandas/NumPy, scikit-learn, Keras, spaCy
- **Web Scraping:** lxml, Selenium, Scrapy, BeautifulSoup
- **Web Frameworks:** Django/REST, FastAPI
- **Version Control Systems & Platforms:** Git, Github, Bitbucket
- **Cloud Computing:** AWS, GCP

## EDUCATION

- Department of Computer Engineering & Informatics, University of Patras** Patras, Greece  
• *Diploma (equivalent to B.Eng + M.Eng); GPA: 6.87* Sep. 2010 – Feb. 2017  
**Thesis:** Design and Implementation of a Methodology for the Automatic Identification of the User Geographic Idiom in a Social Media Text Corpus. supervisor: Megalooikonomou Vasileios, grade: 10/10

## LANGUAGES

- **Greek:** Native
- **English:** Proficient *Certificate of Proficiency in English, The University of Michigan*
- **French:** Elementary *Delf A2*

## CERTIFICATIONS & CONFERENCES

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- **Astronomer Certification for Apache Airflow Fundamentals:** [link](#) *Apr. 2022*
- **Apache Pulsar Fundamentals:** [link](#) *Jan. 2022*
- **Open Source Software Development, Linux and Git Specialization:** [link](#) *Jan. 2022*
- **Architecting with Google Kubernetes Engine Specialization:** [link](#) *Dec. 2021*
- **AWS Fundamentals Specialization:** [link](#) *Nov. 2020*
- **Open conference:** [link](#) *Mar. 2019*
- **4th & 10th Conference of FOSS:** Patras, Greece & Athens, Greece *2011, 2017*  
the full list

## PUBLICATIONS

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- Simaki, V., **Simakis, P.**, Paradis, C., & Kerren, A. (2018). Detection of StanceRelated Characteristics in Social Media Text. In SETN '18: 10th Hellenic Conference on Artificial Intelligence New York: Association for Computing Machinery, Inc. DOI: 10.1145/3200947.3201017
- Simaki, V., **Simakis, P.**, Paradis, C., & Kerren, A. (2017). Identifying the Authors' National Variety of English in Social Media Text. In Proceedings of RANLP 2017 - Recent Advances in Natural Language, ACL Anthology (in press)

## INTERESTS

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GNU/Linux, MLOps, NLP, F/OSS

## ACTIVITIES

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Photography, Traveling, Hiking, Sailing