Sissy Themeli

✆ +30 6993997357
☎ +302106448920
✉ c.themeli@gmail.com
🖥 https://sissythem.github.io
in sthemeli
🐦 sissythem
sissythem

Experienced Software Engineer, always keen in learning new technologies and improving her skills, currently working as a Software Engineer at Unitary AI. Sissy has worked as a Software Engineer in the industry in many fields, such as content moderation, FinTech, conversational AI etc. She has extensive experience in building backend systems and RESTful APIs for various different products such as dialog management systems, content moderation using AI models etc. Sissy has also worked as a researcher at NCSR Demokritos in the areas of Deep Learning and e-infrastructures, developing software for automatic Argument Mining and an e-science platform for experiment execution, which hides the infrastructure complexity from domain scientists. Regarding her academic qualifications, she holds a M.Sc. in Computer Science from the University of Athens with specialization in Machine Learning & Natural Language Processing and a B.Sc. in Management Science and Technology from the Athens University of Economics and Business.

Professional Experience

June 2022 - today

Software Engineer, *Unitary AI*, London, UK.

April 2021 - May 2022

Senior Software Engineer | Team Leader, *Linked Business SA*, Athens.

- Intelligent Data Matching Team Leader on various ML and Data Mining projects (e.g. company name matching)
- Agile management (OKRs, sprints etc)
- Redesign and implementation of the core company services to follow the Microservices Architecture
- Tech stack: RESTful APIs (FastAPI, Django), RabbitMQ, async tasks (celery, django-q), python and ML libraries, Docker, Kubernetes, Airflow, GitLab CI/CD, AWS, MongoDB, MySQL

September 2019 - September 2021

Research Associate, *NCSR Demokritos*, Athens.

- E-science platform providing workflows-as-a-service using Django and Flask frameworks, enabling domain developers (seismologists, physicists etc) to execute their experiments by hiding infrastructure complexities.
- Implementation of an Argument Mining system using BERT-based models.
- *Technologies used*: Huggingface transformers, PyTorch, flairNLP, Django, Flask, FastAPI, Kubernetes, Docker, Elasticsearch, etc.

August 2018 - August 2019	**Software Engineer**, *VoiceWeb S.A.*, Athens.

- Redesign and implementation of the company products to follow the microservices architecture paradigm using Spring Boot
- Product's data layer improvements, creation of a Rule Engine (MongoDB) in the backend instead of reading the rules from XML files
- Implementation of a novel RESTful API for the Dialog Manager
- Redesign and implementation of a new UI for the NLI (Analytics) platform

May 2016 - July 2018	**Software Engineer**, *G.N.T. Information Systems S.A.*, Athens.

Software development on multiple projects using Java EE/Spring frameworks for backend services(EJB3,Spring Framework, Hibernate, RESTful and SOAP web services), with test-driven approach (JUnit and integration tests). Participation in UI projects written with Vaadin and Android frameworks.

Education

Academic Qualifications

2016-2018	**M.Sc. "Information and Communications Technologies"**, *National and Kapodistrian University*, Athens, *8.55/10*.

M.Sc. Thesis: Implementation of a Hate Speech detection framework using different Machine Learning, Deep Learning and text representation approaches. Supervisors: Professor Panagiotis Stamatopoulos (UoA) & Dr. George Giannakopoulos (NCSR Demokritos)

2008-2013	**B.Sc. in Management Science and Technology**, *Athens University of Economics and Business*, Athens, *7.0/10*.
2002–2008	**High-School**, *Lycee Franco-Hellenique Eugene Delacroix*, Athens, *18.9/20*.

Online Courses

June 2022	**AWS Fundamentals Specialization**, *Coursera*, Credential ID 9FP99WDL4DNT.
June 2022	**Go Design Patterns**, *LinkedIn*.
June 2022	**Programming with Google Go Specialization**, *Coursera*, Credential ID M3NSGP6NGXQN.
November 2021	**Building Containerized Applications on AWS**, *Coursera*, Credential ID KCTJ-FUHU4P4Q.
October 2021	**Machine Learning Engineering for Production (MLOps) Specialization**, *Coursera*, Credential ID K4RYE7GAD8NG.
August 2021	**Practical Data Science Specialization**, *Coursera*, Credential ID FXYVY83ET8YQ.
October 2020	**Natural Language Processing Specialization**, *Coursera*, Credential ID SEC7D9UV5MDH.

Technical and Language skills

Technical skills

- **Programming Languages:** Python, Java, Go, R, C/C++, bash
- **Web Frameworks:** Django, FastAPI, Flask, Spring
- **Python libraries:** PyTorch, Tensorflow/Keras, scikit-learn, huggingface, flairNLP, spaCy, numpy, pandas
- **MLOps:** Airflow
- **Testing:** pytest, JUnit, Arquillian, Spring Integration Tests
- **Databases & Search Engines:** MySQL, Oracle SQL, PostgreSQL, MongoDB, Elasticsearch
- **Deployment & Cloud platforms:** Kubernetes, Docker, AWS
- **VCS & CI/CD:** Git, GitLab CI/CD, Gihub Actions
- **OS:** Linux, Mac, Windows
- **Other:** LaTeX, MS Office, JIRA, clickup

Language skills

Greek: Native
English: IELTS, 7/9
French: SORBONNE II, Assez Bien

━━━━ Conferences and Seminars

- Artificial Intelligence for Multilanguage Services for Citizens and Businesses, ELRC workshop (virtual event, 15/12/2020)
- Using text data to improve causal analyses of electronic health records (speaker: Dr. Aaron Kaufman, place: NCSR Demokritos, date: 7/11/2019)
- 20th International Conference on Computational Linguistics and Intelligent Text Processing (CICLing2019, place: LaRochelle France, dates: 7-13/04/2019)
- Object-Centric Machine Learning (speaker: Leonidas Guibas, place: Department of Informatics and Telecommunications, date: 5/5/2017)
- The role of relays in the 5G systems (speaker: Vougioukas Dimosthenis, place: Department of Informatics and Telecommunications, date: 26/5/2017)
- Hardware architectures for telecommunication vertices (speaker: Vlassopoulos Nikolaos, place: Department of Informatics and Telecommunications, date: 26/5/2017)

━━━━ Publications

- ○ Iraklis A. Klampanos, **Chrysoula Themeli**, Alessandro Spinuso, Rosa Filgueira: "Dare platform: a developer-friendly and self-optimising workflows-as-a-service framework for e-science on the cloud", 2020, Journal of Open Source Software
- ○ **Chrysoula Themeli**, George Giannakopoulos, Nikiforos Pittaras: "A study of text representations for Hate Speech Detection", 2019, CICLing