



APOSTOLOS LAZIDIS

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EDUCATION

Technical University of Crete

Master of Science in Electrical and Computer Engineering

Sept 2014 – Aug 2021

Chania, GR

Dissertation: Publication and Subscription Services in Web Applications: A Comparative Study. 




Description: Scope of this dissertation is to measure latency, throughput & error rate from seven publish-subscribe systems & compare features & operations supported: Apache Kafka, RabbitMQ, Scorpio Broker, Orion-LD Broker, Stellio Broker, Pushpin and Faye. All systems are evaluated and compared in terms of performance under real-case scenarios. Each publish-subscribe mechanism is deployed on a Docker runtime environment running on an e2-standard-16 Virtual Machine (VM) with 16 vCPUs and 64 GB of Memory on Google Cloud Platform (GCP).

PUBLICATIONS

Journal Publications

1. Apostolos Lazidis, Konstantinos Tsakos, Euripides G.M. Petrakis, "[Publish - Subscribe Approaches for the IoT and the Cloud: Functional and Performance Evaluation of Open-Source Systems](#)", Internet of Things, May 17, 2022.
2. Apostolos Lazidis, Euripides G.M. Petrakis, Spyridon Chouliaras and Stelios Sotiriadis, "[Open-Source Publish - Subscribe Systems: A Comparative Study](#)", 36th International Conference on Advanced Information Networking and Applications (AINA 2022), Virtually, Sydney, Australia, April 13 - 15, 2022.

PROJECTS

- Play Chess & Tic-Tac-Toe online against an opponent. 
- Personal Portfolio. 
- Task manager application for planning, organize and track your tasks. 

WORKING EXPERIENCE

Web Developer

May 2020 – May 2022

Hagiographies Dimas

Grevena, GR

Description: Developed and maintain company's portfolio using HTML5, CSS, Bootstrap, JavaScript, PHP & MySQL. Website interacts with MySQL database for update & delete photos. Supports sign-in, cryptography, password validation.

SKILLS & KNOWLEDGE

Programming Languages: Node.js, JavaScript, React.js, PHP, HTML5, CSS, Bootstrap, Java

Datastores & Cloud: MySQL, PostgreSQL, MongoDB, Google Cloud Platform

Developer Tools: Docker, Apache Kafka, RabbitMQ, Grafana, JMeter

VOLUNTEERING

➤ **Event Technician**

Sept 2015 - April 2018

Youth Entrepreneurship Club

Chania, GR

Completed main events: [SEWCrete2017](#), [SEWCrete2016](#), [Datathon](#).

Setting up necessary equipment, testing the performance, record & live streaming the events.

➤ **Volunteer Coordinator in "Open Day of Science"**

April 2017

Technical University of Crete.

Chania, GR

ADDITIONAL INFORMATION

Languages: GREEK: Native || ENGLISH: Proficient (C2)

Military Services: Sept 2021 – Sept 2022