

Dr. Stefanos Georgiou

Location preference: Remote position

Keywords: Performance Researcher, Back-End, DevOps, Automations, and Integrations

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About me: Passionated with **coding**, research, and automation of cumbersome tasks. Knows about Green and Energy-Efficient Computing, and Mining Software Repositories. Enjoys working on the command-line and writing scripts. On free time, he is sporting, reading books, and **travelling**.

EDUCATION

- 2016-2021** **PhD, Computer Science;** Athens University of Economics and Business
Energy and Run-Time Performance Practices in Software Engineering; Thesis
- 2013-2015** **MSc, Pervasive Computing and Communications for Sustainable Development (PERCCOM);** Triple Master of Science

Lulea University of Technology: *Resource Efficient Pervasive Computing Systems and Communications Degree*

Lappeenranta University of Technology: *Smart Software and Services Degree*

University of Lorraine: *Sustainable Computer Network Engineering Degree*
- 2008-2013** **BSc, Networks and Systems Programming;** University of Cyprus **Degree**

WORK

- 2021 – currently** **Back-end developer and DevOps: Borocard** (Remote position)

Coordinating the development of a savings management mobile application. Start as **part time** and became **full time** since Feb 2022.
- Developing server via **NodeJS** to host application and manage its clients.
 - Used **Stripe** and **Belvo** to manage user savings.
 - Developed mechanisms to automate logs and configs storage on the cloud.
 - Manage the AWS hosting and **Mongo Atlas** for production server.
 - Creating **pre-commit hooks** to maintain source code quality.
- 2021 – 2022** **PostDoctoral, Electrical and Computer Engineering**

Working as a **full time** researcher for the Software Analytics and Evolution Lab at Queen's University, Canada
- Conducted research studies on Green Software Development.
 - Assisting PhD and Master students in their research projects.

- 2020 – 2021** **Software Developer** **Greek Free, Open Source Software**
- Developing a privacy-preserving epidemic dosimeter based on contact tracing (**full time**). **Proof Repository**
- Developing **Python**, **Shell**, and **Ansible** scripts on a Raspberry Pi Zero
- 2019 – 2020** **Back-end developer, DevOps, and Integrations:** **AllCanCode Inc. Greek Branch**
- Supported the product that facilitates fast web-sites development (by using **Blockly**) on Desktop that can be exported in smart-phones as well (**part time**).
- Development of API end-points in **Node.JS** and **MongoDB** for the product.
 - Creation of the CI/CD pipeline for the product (in GitLab) to perform back-end and front-end testing (through **Mocha**, **Chai** and **Cypress** frameworks, respectively) and auto-deploy product on Google's App Engine (Aurora, Beta, and Production) using the **Flex environment**.
 - Migration products functions to cloud functions using **Firebase hosting**, **Cloud Functions**, and **Cloud Run**.
 - Integration of **Bitrise** system in the product to allow platform users to export their Desktop applications to Android and iOS through the **Cordova** wrapper.
- 2016 – 2019** **Proposals writing:** **Singular Logic S.A.**
- Proposals writing for the European Projects Department as **part time**. **Proof**

TECH SKILLSET

Back-End

BASH and SHELL: often automating cumbersome and time consuming tasks

NodeJS: mainly using Express and prefer Mocha-Chai for testing

Java: was teaching it during my PhD

Python: No need to read tutorials, feeling comfy to code anytime

C and C++: First languages to learn and impressed by their performance

MongoDB: Can use native but prefer Mongoose

Code Quality: Coveralls, NYC, ESLint, Prettier, and so on

Pre-commit hooks: Creating my own pre-commit hooks to ease boring tasks

DevOps

Ci/CD: Fan of Travis, GitLab, and GitHub Actions

Containers and Compose: to facilitate app deployment and execution

Hosting: used Firebase, AWS, and Google App Engine

Mobile CI/CD: Bitrise with Cordova wrapper for mobile apps

Configuration Management: knows Ansible because he enjoys YAML

Certificates

Unix Tools: **Data, Software, and Production Engineering**

MongoDB: **Basics, Aggregation, JavaScript, and Performance**

Loading the data just for you.

RECOGNITIONS AND LANGUAGES

- Grands and awards:
 - **Arctic Code Vault Contributor**
 - Mentored younger researcher **who won 2nd place** in SRC ESEC/FSE '19.
 - Best paper award from the 15th Annual DMST Student Conference (2018)
 - Marie Skłodowska-Curie funds, **SENECA** (€ 62,400)
 - Erasmus Mundus Masters Scholarship, PERCCOM (€ 12,0000)
 - Human Languages:
 - Greek/Hungarian (Native speaker)
 - English (Fluent speaker)
 - Russian/France (Basic knowledge)
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