# Dr. Stefanos Georgiou

**Location**:  In Budapest but prefer remote positions

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

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**About me**:  Passionate 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**.

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## 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**

Unversity 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.

- Developing server via **NodeJS** to host appliaction and manage its clients.
- Build project management on JIRA and Trello for external collaborators.
- Used **Stripe** and **Belvo** to manage user's savings.
- Developed crons to automate logs/configs storage on the cloud and database sanitization.
- Manage the AWS hosting and **Mongo Atlas** for production server.
- Developed Ansible scripts to manage the AWS resources remotely.
- Creating **pre-commit hooks** to maintaine 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 confy 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)