

# Dr. Stefanos Georgiou

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

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

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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**.

**NOTE:**Please consider watching the online CV that has diagrams and links [https://stefanos1316.github.io/my\\_curriculum\\_vitae/index.html](https://stefanos1316.github.io/my_curriculum_vitae/index.html)

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## EDUCATION

- 2022-present**     **MSc, Palinka Maaster Consulting;** Hungarian University of Agriculture and Life Science  
\*Still in progress
- 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

- Jul 2022 – currently**     **Back-end developer @ SimpleTechs** (Remote position)
- Developing applications with TypeScript and via **NestJS** frameworks.
  - Using Postgres as database, GraphQL, and **Prisma client** to manage database access.
- Feb 2021 – Jul 2022**     **Back-end developer and DevOps: @ Borocard** (Remote position)

Coordinating the development of a savings management mobile application.

- Developing server via **NodeJS** to host application 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 maintain source code quality.

**Feb 2021 –  
Feb 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.

**Dec 2020 –  
Feb 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

**Jan 2019 –  
May 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.

**Jan 2016 –  
Jan 2019**

### **Proposals writing: Singular Logic S.A.**

Proposals writing for the European Projects Department as **part time**. **Proof**

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## **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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