ERODOTOS DEMETRIOU

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Education

09/2021-08/2022 **The University of Edinburgh (Edinburgh – Scotland – United Kingdom)**
Master of Science in Cyber Security, Privacy, and Trust (Grade – 'Distinction')
Key Modules: Security Engineering, Secure Programming, Blockchain and Distributed Ledgers, Modern Cryptography, Research Methods in Security Privacy and Trust
Thesis: "Evaluating the Performance and Anonymity of Mix-Networks"

01/2017-01/2021 **University of Cyprus (Nicosia – Cyprus)**
Bachelor of Science in Computer Science (Grade – 8.4/10)
Key Modules: Advanced Topics in Databases, Data Mining, Systems Security, Parallel Processing, Computer Networks, Internet Technologies
Thesis: "Implementation and Evaluation of a Blockchain Database for IoT Data"

09/2019-02/2020 **Aristotle University of Thessaloniki (Thessaloniki – Greece)**
Erasmus + Undergraduate student
Key Modules: Information Retrieval, Neural Networks, Software Engineering, Mobile Networks

01-05/2016 **Open University of Cyprus (Nicosia – Cyprus)**
Undergraduate modules to National Guardsmen (Grade – 9/10)
Introduction to Python

09/2012-07/2015 **Apostolos Markos Lyceum (Nicosia – Cyprus)**
Apolytirion (Grade – 19.42)
Recipient of Academic Excellence and Ethos Award for all 3 years of Lyceum.
Main Subjects: Mathematics, Physics, Computer Science.

Work Experience

12/2022 - Now **Hellenic Bank Public Company LTD, (Nicosia – Cyprus)**
DevOps Engineer
Working on Mobile & Web Banking Platforms, ensuring zero downtime, fast and efficient deployments, robust CI/CD automations, cloud infrastructure provisioning and configuration, and precise workload monitoring.

03-08/2021 **HF Markets Fintech Services LTD, (Larnaca – Cyprus)**
Software Developer
- Developed various features on company's internal systems comprising fund and data management tools for clients. Implemented custom websites, API endpoints, SQL scripts and cron jobs.

02/2020-03/2021 **DMS Laboratory, University of Cyprus (Nicosia – Cyprus)**
Lab Member
- Deployed a Blockchain network using Hyperledger Fabric and developed chaincode (smart contracts) for secure data management in Blockchain. Specifically, I evaluated the scenario of storing ML Models on the Blockchain for better performance and scalability over big data.

06-07/2019 **NetU Consultants Ltd. (Nicosia – Cyprus)**
Internship: Administrator of Oracle NetSuite ERP/CRM platform
- Cooperated and helped different company departments (Business, Developers, Executives) to automate their daily work using the platform NetSuite.

06-07/2018 **Website: foody.com.cy (Nicosia – Cyprus)**
Internship: Web Developer
- Worked on various experimental projects that could be used to automate and improve the company's operations.

07/2015-01/2017 **Cyprus National Guard (Nicosia Cyprus)**
Signal Sergeant

Additional Skills

Languages: Greek (native speaker)**,** English (IELTS Academic, 2021), French (DELF B1Diplôme d'Etudes en Langue Française, 2013)

Technical Skills

<u>Programming</u>: Go, Java, C, Python, HTML, CSS, JavaScript, SQL, Solidity
<u>Tools</u> : Azure Cloud, Azure DevOps, Git, Docker, Kubernetes, Rancher, Ansible, Nexus Repository Manager, Fastlane
<u>Operating Systems</u>: Linux/UNIX, Microsoft Windows

Awards and Achievements

- Awarded with *Scotland's Saltire Scholarship,* for postgraduate university students, provided by the Scottish Government (2021)
- Fasted Car Award: "F1 In Schools" International Finals Abu Dhabi (2014)

Publications

- **"Triastore: A Web 3.0 Blockchain Datastore for Massive IoT Workloads"**, Panagiotis Drakatos, Erodotos Demetriou, Stavroulla Koumou, Andreas Konstantinidis, Demetrios Zeinalipour-Yazti **"The 22nd IEEE International Conference on Mobile Data Management"** (MDM '21), IEEE Press, Pages: 6 pages, June 15 - June 18, 2021, Toronto, Canada, 2021.

- **"Towards a Blockchain Database for Massive IoT Workloads"**, Panagiotis Drakatos, Erodotos Demetriou, Stavroulla Koumou, Andreas Konstantinidis, Demetrios Zeinalipour-Yazti **"Proceedings of the 3rd Intl. Workshop on Blockchain and Data Management"** (BlockDM '21), IEEE Press, Pages: 4 pages, April 19, 2021, Chania, Crete, Greece, 2021.