

Erodotos Demetriou

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DevOps Engineer with 3 years of experience in the **Banking Sector**, ensuring zero downtime, fast and efficient deployments, robust CI/CD automations, cloud infrastructure provisioning and configuration, along with precise workload monitoring.

WORK EXPERIENCE

2022 - now	Eurobank Limited (ex Hellenic Bank Public Company LTD) <i>Software Engineer, DevOps</i>	Nicosia - Cyprus
	<ul style="list-style-type: none">• Managing enterprise-grade Kubernetes clusters (AKS), ensuring scalability, reliability, and high availability across environments.• Performed Kubernetes cluster migrations, achieving seamless service transitions with minimal downtime.• Designed and implemented Kubernetes roles for development teams using Rancher, streamlining access control and environment segregation.• Used Infrastructure as Code (IaC) – Ansible and Helm to configure VMs and deploy services on Kubernetes.• Designed and optimized CI/CD pipelines on Azure DevOps, reducing mobile app build times by 40% through parallelism and intelligent caching; provided technical guidance and troubleshooting support to development teams across Node.js, Java, Kotlin, and Swift technology stacks.• Setup and managing Nexus Repository Manager (artifact management solution) with IQ Server (dependency firewall), creating a secure artifact management system aligning with DevSecOps practices.• Integrated Datadog with Kubernetes for full-stack observability, configuring logs, traces, APM, and monitors to catch and investigate issues seamlessly and in time.• Conducted research and implemented proof-of-concepts for microservices feature environments (Signadot) and AI-enhanced SDLC workflows, including custom AI agents integrated with tools and MCP servers; developed an Investigation Agent to analyze system outages through Datadog logs, traces, and monitors; proposed organizational adoption of an Internal Developer Platform (Backstage).	
2021	HF Markets Fintech Services LTD <i>Software Developer</i>	Larnaca - Cyprus
	Feature Development and System Integration <ul style="list-style-type: none">• Worked as a Full-Stack Developer with a focus on Python (Tornado framework) for both backend and frontend development.• Developed and enhanced internal systems, including fund and data management tools, customized to meet client requirements.• Daily tasks included cron job creation, web development, implementing API endpoints and writing SQL scripts to support data-driven operations.	

EDUCATION

2021-2022	The University of Edinburgh <i>Master of Science in Cyber Security, Privacy, and Trust (Grade – Distinction)</i> <u>Key Modules:</u> Blockchain and Distributed Ledgers, Security Engineering, Secure Programming Modern Cryptography, Research Methods in Security Privacy and Trust <u>Thesis:</u> "Evaluating the Performance and Anonymity of Mix-Networks"	Scotland - United Kingdom
2017-2021	University of Cyprus <i>Bachelor of Science in Computer Science (Grade – 8.4/10)</i> <u>Key Modules:</u> Advanced Topics in Databases, Data Mining, Systems Security, Parallel Processing, Computer Networks, Internet Technologies <u>Thesis:</u> "Implementation and Evaluation of a Blockchain Database for IoT Data"	Nicosia - Cyprus

SKILLS

- Programming: Golang, Python, Bash, Java.
- Tools: Azure DevOps, Azure Pipelines, Git, Docker, Kubernetes, Helm Charts, Ansible, DataDog, Rancher, Nexus Repository Manager.
- Languages: English (Fluent), Greek (Native)

AWARDS - ACHIEVEMENTS

- Awarded with *Scotland's Saltire Scholarship*, for postgraduate university students, provided by the Scottish Government (2021)
- Fastest 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.