

# Antreas Christofi

📞 +35799423621   ✉ [antreas@christofi.me](mailto:antreas@christofi.me)   [in /in/antreas-christofi/](https://www.linkedin.com/in/antreas-christofi/)   [🐙 VictorySpecificationII](https://github.com/VictorySpecificationII)   [🌐 christofi.me](https://christofi.me)

## Experience

---

### DataArt

January 2024 – August 2024

*Software Engineer – GenAI*

*Larnaca, Cyprus*

- Engineered an internal chatbot using FastAPI and Python, integrating with internal knowledge bases to expedite access to company information.
- Integrated Qdrant vector search engine with the chatbot, employing Retrieval-Augmented Generation (RAG) techniques to enhance retrieval and relevance of responses.
- Implemented zero-shot, one-shot, and few-shot inferencing techniques to improve the chatbot's accuracy and adaptability in understanding diverse queries.
- Developed chunking strategies to handle input token limits, enabling the LLM to process larger datasets without losing context.
- Utilized Pandas DataFrames to export and manage information, facilitating the conversion of internal data into structured file formats for analysis and reporting.
- Executed data cleaning and preprocessing tasks, including duplicate removal, text normalization, and structuring of unstructured data, to enhance the quality of training data.
- Collaborated with cross-functional teams to iteratively fine-tune LLMs based on real-world feedback, enhancing chatbot performance, response accuracy, and user experience.

### DataArt

April 2023 – January 2024

*Software Engineer – SRE*

*Larnaca, Cyprus*

- Developed Python and .NET microservices and instrumented them using OpenTelemetry, integrating vendor-agnostic logs, metrics, and traces over gRPC, enhancing visibility and diagnostics.
- Defined and monitored Service Level Indicators (SLIs) and Service Level Objectives (SLOs), improving service reliability and performance adherence.
- Designed disaster recovery strategies for Kubernetes systems, deploying Velero Backup and MinIO as S3-compatible storage solutions, reducing recovery time and ensuring high availability.
- Optimized cloud infrastructure costs and application performance by conducting cost and usage analyses, implementing auto-scaling policies, and fine-tuning configurations, leading to a 25% reduction in operational costs.
- Enhanced incident management processes for AWS ECS projects by integrating CloudWatch with Fluentd and Splunk for advanced log aggregation and real-time alerting, improving incident response times.
- Designed and implemented robust load balancing solutions using HAProxy and Keepalived with VRRP, ensuring high availability and efficient traffic distribution across services, and minimizing service downtime.
- Assisted in the migration of projects from bare-metal to AWS and GCP, employing Git and Terraform for IaC, which improved scalability, infrastructure management, and deployment speed.
- Mentored and guided cross-functional teams, facilitated technical presentations, fostering a collaborative environment and enhancing team performance.

### Amdocs Development

December 2021 – April 2023

*Software Engineer – SRE/DevOps*

*Limassol, Cyprus*

- Designed and executed a centralized monitoring and observability strategy using the Grafana Stack across on-premise and AWS environments, leading to a 40% reduction in incident response times.
- Engineered and optimized Kubernetes clusters for development and production environments, leveraging both manual and automated configurations through Kubespray, setting best practices for container orchestration.
- Implemented GitOps with ArgoCD, automating CI/CD pipelines for containerized applications, which decreased deployment times by 50% and increased deployment frequency.
- Redesigned Jenkins pipelines written in Groovy, introducing modular and reusable components that reduced manual intervention and execution times, enhancing overall pipeline efficiency.
- Authored and maintained BASH automation scripts to enforce and manage Nexus artifact storage policies, automating cleanup processes and streamlining operations.
- Developed disaster recovery playbooks using Ansible, for switchover and automated failover of critical services, which improved system resilience and minimized downtime.
- Produced technical solution documents and maintained detailed documentation for system architecture, incident response procedures, and disaster recovery plans, to ensure clear communication across teams.

- Led on-call rotations, conducted postmortem analyses, and developed actionable plans and runbooks.

## **eSafe Solutions**

October 2020 – December 2021

*Security Engineer*

*Limassol, Cyprus*

- Developed and enforced security policies, including SSL-VPN user account management, IPv4 policies, and VLAN configurations, resulting in enhanced network security and performance.
- Directed patch management for security appliances and Windows Server instances, safeguarding against emerging threats and ensuring robust security defenses.
- Managed and optimized VMWare environments, and services including Active Directory, DHCP, and DNS, ensuring high system reliability and performance through proactive troubleshooting and maintenance.
- Conducted comprehensive API security testing using the OWASP framework, identifying and mitigating vulnerabilities to strengthen overall application security.

## **Education**

---

### **University of Derby**

*Master of Science in Motorsport Engineering*

September 2016 - July 2019

*Derby, United Kingdom*

### **University of Manchester**

*Bachelor of Science in Computer Science*

September 2012 - July 2015

*Manchester, United Kingdom*