GRIGORIS P. THANASOULAS

MENG ELECTRICAL & COMPUTER ENGINEERING

💼 WORK EXPERIENCE

Medior Kubernetes Software Engineer | True B.V.   📍 Amsterdam, NL

NOW | JUN 2023

- Develop tooling (Go, Bash, Ansible) for the migration of the Kubernetes clusters' storage backend to a new Netapp cluster. Plan and execute the migration, coordinating with different team members and customers.
- Deploy monitoring on Kubernetes clusters and SAAS applications of clients (Grafana, GitLab CI/CD, Ansible, ArgoCD, Helm, Python, Bash).
- Provide live support and troubleshoot issues concerning their Kubernetes clusters and SAAS apps (Hashicorp Vault, Argo CD, Helm, Netapp). Resolve monitoring alerts and participate in on-call service.

Software Engineer | Arrikto Inc.

MAR 2023 | OCT 2020

JUL 2022 - MAR 2023: Medior Software Engineer   📍 Athens, Greece

- Developed and maintained tooling (Python) to deploy and update software on customer clusters, ensuring seamless integration and operational efficiency.
- Collaborated with the Kubernetes community by resolving issues on GitHub, integrating parts of our extensions into the upstream project, and staying up-to-date with upstream advancements to enhance Arrikto's product.
- Further enhanced the Kubernetes Scheduler and Cluster Autoscaler extensions (Go) based on customer feedback, promptly and effectively resolving support tickets to ensure satisfaction and improve performance.

OCT 2020 - JUL 2022: Junior Software Engineer

- Maintained and enhanced Arrikto's local storage driver (LVM, dm-era, Linux Kernel, Python), ensuring robust integration with the Kubernetes Container Storage Interface (CSI), focusing on reliability and efficiency.
- Designed, developed (Go), and deployed (Python, Kustomize) in production clusters critical extensions for the Kubernetes Scheduler and Cluster Autoscaler. These features optimized workload uptime by ensuring seamless operation with Arrikto's local storage, improving scheduling accuracy based on available node storage capacity, and preventing system failures. They enabled dynamic scaling of the cluster in response to storage demands and scaling down of under-utilized nodes, coordinating local volume migration to reduce overall cluster costs and improve resource utilization.
- Authored comprehensive user documentation (reStructuredText) for Arrikto's storage system, including detailed deployment guides for AWS EKS, facilitating product adoption by customers.

Software Engineer | Software and Knowledge Engineering Lab, National Center for Scientific Research "Demokritos"

AUG 2018 | JUL 2018

Data analysis with Python. 2-month internship arranged by the NTUA ECE school.   📍 Athens, Greece

🎓 EDUCATION

MEng in Electrical & Computer Engineering | School of Electrical and Computer Engineering, National Technical University of Athens

JUN 2022 | SEP 2014

- **Specialization**: Software Engineering, Computer Systems, Networks, Biomedical Engineering. • **GPA: 8,58/10**.
- **Courses**: Microprocessors, Computer Architecture, Operating Systems, Computer Networks, Programming Languages, Databases, Digital Circuit Design, Algorithms, Human-Computer Interaction, Artificial Intelligence, Web Development, Biomedical Image Processing.
- **Thesis**: Extensions for Scheduling and Autoscaling on Kubernetes Clusters with Local Storage Considerations. Conducted in NTUA ECE Computing Systems Laboratory, in cooperation with Arrikto Inc.

📜 CERTIFICATES & COURSES

2024   **Certified Kubernetes Administrator (CKA) | The Linux Foundation**

2024   **Terraform Basics Training Course | kodekloud.com**

2023   **Foundations of Project Management | Google**

🏆 AWARDS AND SCHOLARSHIPS

Cosmote Scholarship for Undergraduate Studies (2014-2019)

Eurobank "Great Moment for Education" Award (2014)

👥 VOLUNTEERING

TEDx NTUA Organizing Team

JUN 2020 | OCT 2017

- ***TEDx NTUA "ENIGMA" (2019), TEDx NTUA "DUALISM" (2020)***: Led a 6-person team tasked with recommending the keynote speakers of the TEDx event, communicating with them, assessing the content of their talks, and providing constructive feedback. We handled all the logistical arrangements for the speakers, ensuring the smooth execution of the event, which was attended by 500 individuals.
- ***TEDx NTUA "CHAOS" (2018)***: Coordinated and facilitated workshops for 500 event attendees, liaised with partners, and supervised event volunteers.

2016   **Electrical Engineering Students' European Association**

CONTACT INFO

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- 📞 +31 0616907572
- ➤ Amsterdam, NL

TECHNICAL SKILLS

ADVANCED

Golang • Kubernetes • Docker • Python • Linux • Terraform • Argo CD • Ansible • Helm • Git Ops • GitLab CI/CD • TCP/IP • Kustomize • Bash • Container Storage Interface

INTERMEDIATE

AWS • Java • C • C++ • PHP • MySQL • HTML • Matlab • NetApp Storage

GITHUB

- 🔗 github.com/gregthanas

SOCIAL MEDIA

- in linkedin.com/in/gregth
- 🐦 twitter.com/gregthanas

LANGUAGES

English (Full professional proficiency)

Greek (Native proficiency)

INTERESTS

Aviation • Science • Theater • Music • Photography

❝ *MY MOTTO*

Tell me and I forget. Teach me and I remember. Involve me and I learn.   ~Benjamin Franklin