Konstantinos Keramaris

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EDUCATION

M.Eng. Electrical and Computer Engineering, *September 2013 - February 2019*
Aristotle University of Thessaloniki, Specialization area of Electronic & Computer Engineering.

Grade: 8.17/10

Thesis: Development of Deep Learning models for soil property prediction.

Erasmus Student: Master of Engineering: Computer Science, KU Leuven, February-June 2018.

Relevant Coursework: Operating/Distributed Systems, Security of Networks, Cryptography, Internet Infrastructure, Machine Learning, Microprocessor Systems, Robotics.

EXPERIENCE

Cloud/DevOps Engineer *March 2019 - February 2023*
AXA Belgium, Brussels Belgium

- Member of a transversal Cloud CoE with goal of:
    - Accelerating the migration of application to AWS Cloud.
    - Design, Develop and Deliver native AWS solutions to solve business requirements.
- Delivery of Infrastructure as Code (Cloudformation & Terraform) AWS solutions using various AWS Native Services to be consumed by application teams for application hosting, operational and financial management.
    - AWS Services include: API Gateway, Lambda, Elastic Beanstalk, VPC, EC2, RDS, Cloudfront, AWS Batch, Amazon Elasticache, RDS, Document DB, Dynamo DB, Amazon Appstream 2.0, Amazon OpenSearch Service & more.
- Design, Implementation and Operational Management of multi-account enterprise level AWS Environment to host multiple applications of different business units.
- Active role on the architecture and design process of new and migrated applications on AWS.
- Design and Implementation of CI/CD pipelines on AWS using Github Enterprise, AWS CodeBuild, Cloudformation & Terraform.
- Product Owner of AWS platform.
- Evangelize DevSecFinOps mindset, provide general guidance and support on Cloud best practices.

TECHNOLOGY SKILLS

Cloud Platforms: AWS (Expert), Kubernetes (Expert), Azure (Intermediate).

Programming Languages: Python, Shell scripting, Rust.

CI/CD: AWS CodeBuild, GitHub Actions, GitLab CI/CD.

IaC: Cloudformation, Terraform, AWS CDK, AWS SAM, Serverless Framework.

GitOps: ArgoCD, Flux, Crossplane.

CERTIFICATIONS

- AWS Certified Solutions Architect Associate
- AWS Certified SysOps Administrator Associate
- AWS Certified DevOps Engineer Professional
- AWS Certified Solutions Architect Professional
- AWS Certified Data Analytics Specialty
- AWS Certified Machine Learning Specialty
- AWS Certified Security Specialty

PUBLICATIONS

Simultaneous prediction of soil properties from VNIR-SWIR spectra using a localized multi-channel 1-D convolutional neural network, Nikolaos L. Tsakiridis, Konstantinos D. Keramaris, John B. Theocharis, George C. Zalidis, 2020, Geoderma,
dx.doi.org/10.1016/j.geoderma.2020.114208

OTHER

Languages: Greek(Native), English(C2), German(B1).

Interests: Technology, Open-Source Software, Serverless Computing, Artificial Intelligence, Hiking, Bouldering, Theater (Member of amateur Drama Club).

Mandatory Military Service: Greek Army, March - December 2023