GEORGIOS (GEORGE) ZEFKILIS

Copenhagen, DK

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Enthusiastic, hard working professional with a can-do attitude, entrepreneurial spirit, solid background in engineering and strong interest in Data and Software Engineering. Social and cheerful person, eager to adapt in new situations and environments. Committed to create a more sustainable society.

Experience

Novo Nordisk, Digital Data & IT   Oct. 2024 – Present
Software/Data Engineer   *Copenhagen, Denmark*

- Co-developed a Proof of Concept (PoC) platform with Microsoft engineers to demonstrate the feasibility and impact of adopting automated CI/CD for deploying and managing applications on edge infrastructure. Leveraged Azure Arc-enabled Kubernetes clusters across multiple networks to simulate production-like conditions, showcasing efficient and reliable edge deployments. Tech Stack: Azure Arc, Kubernetes, Docker, Bicep (IaC), Bash
- Designed and developed real-time streaming pipelines to automate data ingestion from laboratory devices, significantly reducing manual processing time and improving data availability for analysis. Tech Stack: Kafka, Python, Docker
- Designed and implemented the local development environment and CI/CD pipelines for Databricks workspaces supporting manufacturing and environmental data initiatives. Enabled developer collaboration and adoption of software engineering best practices through Infrastructure as Code and DevContainers, resulting in faster onboarding, more reliable deployments, and fewer issues. Tech Stack: Databricks, Databricks Asset Bundles (IaC), DevContainers

Danfoss, Alsense IoT Food Retail Services   June 2021 – Sep. 2024
Software/Data Engineer   *Copenhagen, Denmark*

- Led the introduction and implementation of tools, that optimised the development and orchestration of data pipelines enhancing efficiency and standardizing workflows across projects. Stack: Mage, Docker, K8S
- Led the adoption of test-driven development (TDD), integrating comprehensive tests into existing projects, which strengthened service robustness and reduced bug resolution times. Stack: Jest, Pytest, Docker
- Implemented a monorepo to enhance version control, testing, and deployment of database changes, reducing workflow inefficiencies and deployment errors. Stack: TypeScript, Lerna/Yarn, Docker
- Led initiatives to evaluate OLAP and Data Lakehouse solutions to identify the best fit for our analytics platform. Stack: ClickHouse, Synapse, Databricks
- Develop, build, and maintain ETL and streaming pipelines to enhance analytics and ML projects. Stack: TypeScript, Python, SQL, Kafka, Docker, Mage/ADF

Education

Technical University of Denmark   Feb. 2020 – Aug. 2022
M.Sc. Human Centered Artificial Intelligence   *Copenhagen, Denmark*

- *Major:* **Data Science/Big Data**

Technical University of Denmark   Sep. 2015 – June 2017
M.Sc. in Environmental Engineering   *Copenhagen, Denmark*

- *Major:* **Residual Resources Engineering**

Technological Educational Institute of Crete   Sep. 2007 – Aug. 2012
B.Sc. in Civil Engineering   *Heraklion,Greece*

- *Major:* **Environmental technology & management**

Technical Skills

Development & Engineering: Python, SQL, TypeScript, Bash, PostgreSQL, Kafka, Mage, Spark/Pyspark, Jest, Pytest
Cloud & DevOps :Azure, DataBricks, Docker, Kubernetes (K8s), ArgoCD, Bicep

Certificates

Databricks Data Engineer Associate, May 2025
PostgreSQL Bootcamp, Mar 2022
PRINCE2 Foundation Certificate in Project Management, Jun 2019

Interests

Calisthenics, Reading, Programming, Psychology