

# Nikiforos Mitrakos

## IT Operations Professional | Software Engineer

Experienced Data Engineer and Analyst with a strong background in data-driven solutions, software engineering, and IT operations. Proficient in Python, SQL, and data visualization, with expertise in building automated data pipelines, conducting in-depth analyses, and generating actionable insights. Seeking a Data Scientist, Data Analyst, or Data Engineer role where I can leverage my technical and analytical expertise to drive data-backed business decisions.

### Professional Competencies and Industry Tools

- **Programming Languages:** Python, SQL, Java, C, Bash
- **Data Science & Analysis:** Machine Learning (Scikit-learn, TensorFlow), Exploratory Data Analysis (EDA), Predictive Modeling, Hypothesis Testing
- **Data Engineering:** ETL Processes, Data Pipelines, Data Warehousing
- **Data Visualization:** Matplotlib, Seaborn, Plotly
- **Database Management:** MySQL, PostgreSQL
- **Tools & Frameworks:** Git/GitHub, Jenkins, Selenium, Docker
- **Agile Methodologies:** Scrum, Kanban
- **Cloud Platforms:** AWS (S3, EC2), Google Cloud

### Work History

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| 2023-04 -<br>Current | <div><h4>IT Operations Specialist</h4><p><i>Workearly Greece, Athens · Remote</i></p><ul style="list-style-type: none"><li>• Built and automated ETL pipelines to streamline data processes, reducing the need for manual intervention.</li><li>• Extracted and transformed data using Python and SQL for analysis, providing insights for operational improvements.</li><li>• Visualized data trends using Python libraries (Matplotlib, Seaborn) to support data-driven decisions by stakeholders.</li><li>• Automated several IT-related tasks, improving efficiency in software/hardware configuration and network setups.</li></ul></div> |
| 2022-04 -<br>2023-04 | <div><h4>Facilitator</h4><p><i>LAMDA Development S.A., Athens</i></p><ul style="list-style-type: none"><li>• Promoted team collaboration and streamlined operations through cross-department coordination.</li><li>• Collected and analyzed feedback, contributing to process improvements.</li></ul></div>                                                                                                                                                                                                                                                                                                                                    |
| 2020-10 -<br>2022-04 | <div><h4>Operator</h4><p><i>Spartan Security Greece, Athens</i></p><ul style="list-style-type: none"><li>• Conducted risk assessments and managed critical incidents in real-time.</li><li>• Resolved technical issues for customers, maintaining high service levels.</li></ul></div>                                                                                                                                                                                                                                                                                                                                                         |
| 2020-03 -<br>2020-08 | <div><h4>Software Engineer</h4><p><i>Greek Army, Athens</i></p><ul style="list-style-type: none"><li>• Designed and implemented a secure data communication system for real-time battlefield scenarios, focusing on data accuracy and system reliability.</li><li>• Conducted rigorous QA and debugging processes to ensure optimal performance in high-stakes environments.</li><li>• Enhanced system performance through software testing in controlled environments and resolving bugs in complex data systems.</li></ul></div>                                                                                                             |

### Contact

**Location**  
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**Github**  
<https://github.com/ExiledPhobos>

### Soft Skills

Team Collaboration

Analytical Thinking

Data-Driven Decision Making

Communication

Problem-Solving

Time Management

Critical Thinking

Attention to Detail

Initiative

Leadership

### Languages

Greek

Excellent

English

Excellent

## Projects

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### Serverless Data Pipeline

[Github Repository](#)

Designed a fully automated serverless data pipeline for real-time cryptocurrency data extraction and transformation using Python and Pandas. Analyzed and visualized data trends, helping stakeholders make informed trading decisions. Stored processed data for historical analysis.

### Olympic Medal Analysis

[Github Repository](#)

Analyzed Olympic medal data (1994-2024) using Python and SQL. Generated data visualizations to explore trends and performance comparisons across countries and events.

### WeatherApp

[Github Repository](#)

Developed a Python-based application that retrieves 7-day weather data using the Meteomatics API. Built a Flask API to display forecasts and rankings based on temperature metrics, with data stored in MySQL. Automated testing and pagination.

### Billionaire Data Management System

[Github Repository](#)

Developed a C program to manage and manipulate billionaire data using a doubly linked circular list. Created Python visualizations to analyze wealth distribution trends.

### Video Game Sales Analysis

[Github Repository](#)

Conducted exploratory data analysis of video game sales by platform, genre, and region. Generated insights using Python, with visualizations highlighting trends.

### SodaSense (Thesis Project)

[Github Repository](#)

Developed a cross-platform mobile app in Flutter for tracking user movement and location. Integrated daily step tracking, route mapping, and sensor data visualization with SQLite storage and server sync capabilities.

## Education

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### Bachelor of Telecommunications Engineering

*University Of Peloponnese, Tripoli, Greece*

**Thesis:** Developed a cross-platform mobile app for tracking and managing user location data. Technologies used: Flutter, SQLite, Dart.

**Relevant Coursework:** Data Structures, Telecommunication Systems, Database Systems, Software Engineering, Wireless Communications.

## Certifications and Digital Badges

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### Six Sigma White Belt Certification

*Six Sigma Online; Aveta Business Institute*

Issued Jul 2019

Credential ID E759ohjNSF

### Grow Greek Tourism Online - Digital Skills Seminar

*Google*

Issued Apr 2017

### Seminar on Innovation and Entrepreneurship

*University of Peloponnese*

Issued Mar 2017

### Seminar on Basic Networking Principles – Wireless networks

*University of Peloponnese*

Issued Mar 2016

### Certificate of Proficiency in English - The University of Michigan

*Hellenic American Union*

Issued May 2013