CONTACT

nikolaoskoutantos@gmail.com

+30 6909214262

Crete, Greece

https://www.linkedin.com/in/nikolaos-koutantos/

TECH SKILLS

MATLAB

Python

Javascript

Databases

GIT

SOFT SKILLS

Communication

Time management

Problem Solving

Creativity

Patience

LANGUAGES

Greek

English

German

NIKOLAOS KOUTANTOS

MENG ELECTRICAL AND SOFTWARE ENGINEERING

SUMMARY

I recently obtained my diploma in Electrical and Software Engineering with expertise during Master's years in Energy and Power Systems analysis(MATLAB and MySQL).

My preference on data science and the dynamic creation of my own REST APIs with usage of Python and Scrapy have brought me responsibilities of deployment and maintenance of a medium scale web application, mainly developed as backend application.

Through Node.js a and MongoDB a second approach of my postgraduate thesis have created a more secure and fast implementation of an Energy Market with real supply and demand.

A dynamic approach of insert , analysis and export of power systems data have achieved through MATLAB with a GUI for power systems analysis.

EXPERIENCE

Backend Developer **Aug 2020 - Present**
Self-Employed

Dynamic creation of my own REST APIs with usage of Python and a framework , which called Scrapy, and is capable of large scale crawling of data.Splash and its JavaScript rendering capabilities are important factors in the whole product procedure. Dockerization of the whole source code is also a must for an efficient and reliable product.
As storage MongoDB is the most viable solution as far as speed , resources and maintance cost are concerned.

EDUCATION

MEng Electrical and Software Engineering **Sep 2014 - Sep 2020**
University of Patras

During my Bachelor's years Mathematics and Physics are basic courses from a range of scientific fields such as Electrical Motors, Python ,Objective oriented programming etc. were our main courses.

During Master's years an extensive knownledge of Power Systems different sections such as Power Distribution , High Voltage systems and their protection as well as Power Systems Analysis techniques were my main interest courses.

My postgraduate thesisi was in Energy Markets implentation. A web application with MATLAB have been developed with Generators as the suppliers of power and dispatchable loads as dynamic power demands of the system , despite the fixed load. A basic GUI had been built and gives at the Administrator of the power system full supervisor capabilities.

For instance Optimal flow solution based on the current power system's supply and demand($/MWhr). Lines, Loads and Generators are also accesible.