



NIKOLAOS KOUTANTOS

MENG ELECTRICAL AND SOFTWARE ENGINEERING

CONTACT

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TECH SKILLS

MATLAB



Python



Javascript



Databases



GIT

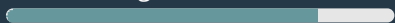


SOFT SKILLS

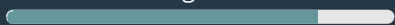
Communication



Time management



Problem Solving



Creativity



Patience



LANGUAGES

Greek ● ● ● ● ● ●

English ● ● ● ● ● ●

German ● ● ● ● ● ●

SUMMARY

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

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 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
Self-Employed

Aug 2020 - Present

Dynamic creation of my own REST APIs with usage of Python and a framework, which called Scrapy, and is capable of crawling large amount 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 maintenance cost are concerned.

EDUCATION

MEng Electrical and Software Engineering
University of Patras

Sep 2014 - Sep 2020

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 knowledge of Power Systems different sections such as Power Distribution, High Voltage systems and their protection as well as Power Systems Analysis were my main objectives.

My postgraduate thesis was in Energy Markets implementation. 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.