Georgios Manakanatas

Software Engineer·Consultant

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2018, Antwerp, Belgium

Contact info

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Web & Git

🔗 www.linkedin.com
/in/george-manakanatas
🔗 https://github.com/
GeorgeManakanatas
🌐 https://george
manakanatas.github.io/

Programming Languages

Human Languages

Dutch ★ ★ ★ ★ ★
English ★ ★ ★ ★ ★
German ★ ★ ★ ★ ★
Greek ★ ★ ★ ★ ★

OS Experience

Linux ★ ★ ★ ★ ★
MacOS ★ ★ ★ ★ ★
Windows ★ ★ ★ ★ ★

Experience

11/2019 - to this day

Software Architect
VITO, Mol, Belgium

My current position is that of Software architect for the data science group at VITO.

My main responsibilities there are supporting my colleagues in the data science group in all stages of IT related projects, form planning all the way through development and deployment to production. As well as providing support and training to researchers in other units of VITO as part of the data science group's overall mandate.

04/2016 - 10/2019

Software Engineer
Apogado CVBA, Mechelen, Belgium

Working for Apogado my time was split between back end development, software architecture, and consulting.

As a developer I focused mostly on the back end writing in Java, JavaScript and Python. I am comfortable working on and have experience with both the LAMP and MEAN stacks working both with legacy code as well as on new projects. With SOAP and REST protocols, with relational (MySQL ,MariaDB) and non relational (MongoDB) databases as well as automated testing.

My Java projects so far lean heavily on Apache service mix components and have been mostly geared towards data transformation as well as service oriented integration for accessing the various authentic sources of the Belgian federal state.

My JavaScript work has been on back end development of a proprietary Apogado GDPR compliance tool built on the MEAN stack.

During my last year with the firm I placed high emphasis on developing skills on automated testing, continuous integration as well as infrastructure as code while using Python and Bash for ad hoc scripting when needed.

As an architect I helped evaluate the structure of existing or proposed projects as well as identify security gaps and recommend fixes or enhancements. I also designed and build security for products from scratch as well as their associated databases taking care to balance business and information security requirements.

As a consultant I helped design and/or implement custom made solutions tailored to the needs of specific clients as part of the Apogado team.

09/2014 - 09/2015

Master's Thesis
Hellenic Open University, Patra, Greece

Knowledge hiding and Association rule hiding, hiding frequent itemsets, exact knowledge hiding through database extension, k-anonnymity, Rob frugal anonymisation, Apriori data mining algorithm. Python programming, tkinter GUI package, LaTeX text editor.

09/2004 - 09/2015

Physics and Mathematics tutor
Freelance, Heraclion & Athens, Greece

Physics and Mathematics tutoring for high school and junior high school students. Advanced Physics and Mathematics classes for College students, preparatory courses for end of semester examinations.

Education

2012 - 2015

Master's Degree in Information Systems Hellenic Open University, Patra, Greece
Curriculum: Information and Communication Technologies.
Main subjects: Computer Networks and Communications, Computer Architecture, Software Engineering, Software Design and Management Processing.
Title of the Thesis: "Blocking Inference Channels in Outsourced Data Mining."
Relators: Prof. Ilias Stauropoulos, Prof. Basilios Berikios.

2000 - 2009

Bachelor's Degree in Physics University of Crete, Heraklion, Greece
Curriculum: Physics and Mathematics.
Main subjects: Classical Mechanics, Electromagnetism, Thermodynamics and Statistics, Quantum Physics, Atmospheric Physics, Introduction to Circuit theory, Applied Geophysics, Elements of Electronics, Introduction to Optoelectronics, Financial Mathematics, Computational Physics.

Skills

Programming
Good knowledge of Java, JavaScript and Python. Also XML, XSL, JSON, YAML.
Working Knowledge of SQL, Bash and C.
Frameworks & Databases
Good knowledge of Node.js, Express.js, MongoDB, MariaDB, MySQL, Apache CXF, Apache Camel, Apache Karaf, Spring.
Working knowledge of the Talend ESB. Basic knowledge of Django, AngularJS, bootstrap.
Tools
Good knowledge of Postman, SoapUI, Ansible, Docker,
Working knowledge of Selenium, Jenkins, OpenAPI, Apache Maven, Talend Open Studio
General
Solid mathematical background and analytic skills from my physics studies. Basic knowledge of Data mining as well as data anonymization and de-identification methods.

Hobbies & Interests

Chess & GO amateur player

History & Film buff

Tabletop games enthusiast

Crime & Science fiction novels

Certifications

English : Near Native Fluency, Certificate of Proficiency in English, University of Cambridge
German : Fluent, Zeugnis Zentrale Mittelstufenprüfung, Goethe Institut
Greek : Native Speaker

Places Lived

Other Info

European driving licence, Belgian certificate of registration. For the Greek job market:
Στρατιωτικές υποχρεώσεις εκπληρωμένες, φορολογικός κάτοικος εξωτερικού.

January, 2018

Georgios Manakanatas