



Angelos Anagnostopoulos

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About me: I've accumulated more than a decade and a half of real-world experience in various Java SE/EE and Javascript frameworks. I've also worked with most major database platforms, as well as GIS applications. Often juggling multiple roles at the same time, I've worked on and off site, mostly as a contractor, with the last few years having been exclusively remotely from my home office, in Athens, GR.

● WORK EXPERIENCE

01/03/2021 – CURRENT – Athens, Greece

TECHNOLOGY EXPERT – EUROPEAN COMMISSION

Team Java 1 architect, Directorate General for Energy and Transport (DG ENER/MOVE).

- Working remotely from Athens, GR
- Part of a 6 member agile team.
- Existing systems/services integration and enhancement, plus new projects analysis and implementation.

Technologies: **Oracle, JPA/Hibernate, EJB 3, JAX-RS, JAX-WS, Apache CXF, Spring Boot, WebLogic.**

Directorate General of Energy and Transport | Public administration and defence; compulsory social security

28/05/2018 – 26/02/2021 – Dublin, Ireland

SOFTWARE ENGINEER – CURRENCYFAIR

Company product integration with external banking partners (typically one per operating country/region), as well as introduction of new currencies on the platform.

- Working remotely from Athens, GR, with occasional visits to the Dublin company HQ.
- Part of a 10 member agile team.
- Implement back-end (Spring based) connectors & micro-services, to ingest and export transaction data from/to external banking partners.
- Enable new currencies "full-stack" (i.e. starting from the database and all the way up to the UI).
- Enhance existing features and add new ones on a LifeRay based CRM platform, used internally by Customer Experience.
- Perform frequent releases on an AWS based infra-structure.
- Solve "Business As Usual" type issues across the full stack.
- Participate in a daily & nightly on-call rota.
- Coach junior team members.

Technologies: **Oracle, Spring Data JPA/Core, LifeRay 6.2, PrimeFaces 6.x, React.js, PHP, AWS, Vagrant, Chef, Jenkins, Kubernetes.**

Lessons learned: Working in coordination with a 10+ member team, on a large scale product requiring 24/7 availability.

Engineering | Financial and insurance activities | <https://www.currencyfair.com/>

01/05/2017 – 31/05/2018 – Athens, Greece

CTO – PUBLIC SOFT

Technical coordination for the implementation of a web based application, responsible for handling the public sector's procurement work-flow.

- Worked remotely from Athens, GR, with occasional on-site meetings.
- Converted business requirements documents (drafted by the company's owner and biggest stakeholder) to technical requirements and convert those to Jira stories/epics/tasks.
- Selected the entire code-stack, architecture, infrastructure and collaboration tools, as per the project's and company's needs and available resources.
- Setup code scaffolding.
- Led a team of 4 developers (junior and mid level).
- Implemented 50% of the code prior to the the first release, on the 6-month mark.
- Built working code examples for the other, team members to base their work on.
- Deployed (and document the process for) the first release to both on-site and cloud based customers.
- Integration with third-party systems, such as GSIS, Diavgeia, LifeRay used by municipalities.

- Configured a leased physical server to support a multi-tenant cloud solution, based on Docker Swarm, complete with real-time health & monitoring support.

Technologies: **MySQL, Spring Data JPA-REST-Boot, LifeRay 6.2, Vue.js, OpenAPI, SwaggerHub, Docker, Jenkins**

Lessons learned: Technical team coordination and guidance.

Public administration and defence; compulsory social security | www.publicsoft.gr

01/05/2017 – 31/10/2017 – Athens, Greece

SOFTWARE ENGINEER – HELLENIC NATIONAL DOCUMENTATION CENTER

Working remotely from Athens, GR.

Project: CERIF Reporting Tool for the H2020 RICH Observatory.

Refactoring, customization and integration into the RICH observatory site of an existing, web-based, CERIF entity report & visualization application.

Technologies: **MySQL, Spring (Data JPA/MVC/REST/Boot), Docker, Knockout.js, Phantom.js, Highcharts.**

Lessons learned: Heavy use of the MVVM pattern in a Javascript environment.

Education | <http://www.ekt.gr/en>

01/09/2017 – 30/10/2017 – Athens, Greece

SOFTWARE ENGINEER – SASTIX

Working remotely, from Athens GR.

Project: MADIS European Parliament CRM

Built custom tool, facilitating migration between platform version database models. Built Use Cases UI screens, as defined by the European Parliament.

Technologies: **Oracle, Spring MVC, Ext.js, Docker**

Lessons learned: Leading a three people team, using cutting edge collaboration tools and a Kanban procedure.

Information and communication

01/11/2016 – 30/06/2017 – Athens, Greece

SOFTWARE ENGINEER – EPSILON INTERNATIONAL S.A.

Working remotely from Athens, GR.

Project: [H2020 AURORA "Advanced Ultraviolet Radiation and Ozone Retrieval for Applications](#)

Design and implementation of a J2EE based REST API, on top of a GIS database, as well as an end-user web based portal.

Technologies: **PostGIS 2.x, Spring Data REST 1.x, JPA 2.x., Aurelia JS 1.x, OpenLayers 3.x.**

Lessons learned: Exposure to the OpeNDAP framework, the NetCDF data format and the WMS standard.

Information and communication | <http://www.epsilon.gr/group/companies/epsilon-international>

01/07/2016 – 31/12/2016 – Athens, Greece

SOFTWARE ENGINEER – INFILI

Working remotely from Athens, GR.

Project: [Scriptum](#) e-Protocol for National Self Employeed

Refactoring & re-implementation of the original, web-based, SCRIPTUM electronic protocol platform, to cover the specific needs of the [National Self-Employeed Professionals Organization \(OAE\)](#).

Technologies: **MySQL 5.x, JDK 1.8, JPA 2.x, Hibernate 5.x, Spring 4.x, ZK 8.x, JAX-WS 2.x, OpenKM 6.x, Tomcat 8.x, Ubuntu LTS Server 16.04.**

Lessons learned: Exposure to e-government work-flows. Major refactoring of an existing software platform.

Public administration and defence; compulsory social security | <https://www.infili.com/>

01/09/2015 – 30/11/2016 – Athens, Greece

SOFTWARE ENGINEER – INFILI

Working remotely from Athens, GR.

Project: [H2020-EU.3.7 City.Risks. "Avoiding and mitigating safety risks in urban environments"](#)

Design and implementation of a J2EE based REST API, on top of a GIS database. Design of the necessary software infrastructure, facilitating service creation by project partners.

Technologies: **PostGIS 2.x, Spring Data REST 1.x, JPA 2.x., Red5 video server.**

Lessons learned: First-time use of the HATEOAS based Spring Data REST framework and video streaming services.

Information and communication

01/11/2013 – 31/05/2016 – Athens, Greece

SOFTWARE ENGINEER – EPSILON INTERNATIONAL S.A.

Working remotely from Athens, GR.

Project: [FP7/ICT c-Space "An affordable tool to turn the space surrounding us into a creative experience"](#)

Design and implementation of:

- a GIS enabled database, storing spatially/temporally synchronized video and 3D object data.
- HTTP REST based retrieval/storage services.
- End-user web portal
- Android modules for media content spatio-temporal tagging and upload.

Technologies: **PostGIS 2.x, Spring MVC 3.x, REST Web Services, Elastic Search, Android, Aurelia JS framework.**

Lessons learned: Actively participated in an FP7 project through it's entire course, both on a technical level as well as a logistical one (e.g. attending technical & review meetings, writing deliverables). First-time exposure to a JS based MVVM cutting-edge framework (AureliaJS).

Information and communication

01/02/2012 – 30/04/2016 – Athens, Greece

SOFTWARE ENGINEER – HELLENIC ACADEMIC LIBRARIES LINK (HEAL LINK)

Project: [Dspace@HEAL](#)

Implemented the Digital Repositories (Libraries) for member Institutes of the Hellenic Academic Libraries Link.

Technologies: **Dspace, jQuery, JAX-WS, PostgreSQL, ZK, RDF, Virtuoso, Spring.**

Lessons learned: Learned to provide support to member institutes (23 in total) staff, as well as coordinate their efforts to leverage the platform. Familiarized self with virtualization and SaaS techniques.

Education

01/09/2013 – 31/12/2014 – Athens, Greece

SOFTWARE ENGINEER – IKNOWHOW

Working remotely from Athens, GR.

Project: [CRIS](#)

Design and implementation of a web-based Current Research Information System (CRIS), allowing read/write access to the [CERIF](#) model entities and work-flows.

Technologies: **Spring MVC 3.x, Spring Data JPA, Elastic Search 1.x, MySQL**

Lessons learned: Gained deep insight into the [CERIF](#) semantic ontology. Adopted the Elastic Search platform.

Information and communication | <http://www.iknowhow.com/>

01/10/2013 – 31/12/2013 – Athens, Greece

SOFTWARE ENGINEER – EPSILON INTERNATIONAL S.A.

Working remotely from Athens, GR.

Project: [ICT/PSP SUNSHINE "Smart Urban Services for Higher eNergy Efficiency"](#)

Designed and populated a GIS database, storing both static and dynamic, geographical, energy and weather data for various buildings, situated at pilot sites around Europe.

Technologies: **PostgreSQL including PostGIS extensions, CityGML, JDBC, Java SE, FME.**

Lessons learned: First-time interaction with GIS concepts and platforms. Familiarized self with the FME software platform. Performed heavy data homogenization, manipulation and ingestion into a common database.

Information and communication

01/04/2013 – 30/09/2013 – Athens, Greece

SOFTWARE ENGINEER – ZESI

Working remotely from Athens, GR.

Project: [My Living Record](#)

Implemented a web-based Personal Health Record platform, allowing complex interaction between private individuals and healthcare professionals.

Technologies: **Spring MVC 3, ZK 6, MySQL.**

Lessons learned: Adopted the ZK MVVM paradigm. Learned to build a custom application on top of an existing one ([OpenMRS](#)). Familiarized self with the concept of semantic meta-data.

Human health and social work activities

01/01/2013 – 30/09/2013 – Athens, Greece

SOFTWARE ENGINEER – HELLENIC ICT ENGINEERS ASSOCIATION

Working remotely from Athens, GR.

Project: ICT Engineers Association Portal

Implemented a web portal, supporting integration with the Association's CRM platform.

- Participated in requirements analysis meetings with client.
- Customized existing portlets and implement new ones, wherever required, on a "vanilla" LifeRay 6.x.
- Implemented a member self-registration/validation work-flow on the portal itself.
- Suggested a CSS based 'look and feel' and deployed it as part of the project.

Technologies: **Liferay 6.x, PrimeFaces, Spring 3, PostgreSQL.**

Lessons learned: Adoption of the Liferay 6.x portal platform. Built various custom portlets & modified existing ones. Interacted with external user authorization systems.

Information and communication | <https://www.computer-engineers.gr>

01/06/2012 – 30/11/2012 – Athens, Greece

SOFTWARE ENGINEER – HELLENIC RAILROADS ORGANIZATION (TRAIÑOSE)

Working remotely from Athens, GR.

Project: Suburban Railroad ticketing

Built web-based application, used at the National Suburban Railway terminals for ticket issuing. Technologies: **Struts 2, jQuery, ZK 6, JPA 2, Hibernate, Oracle 9.**

Lessons learned: Handled real-time & concurrency issues. Familiarized self with custom printouts.

Transportation and storage

01/09/2011 – 30/04/2012 – Athens, Greece

SOFTWARE ENGINEER – WSEAS

Working remotely from Athens, GR.

Project: myWSEAS.

Built web based Conference/Journal paper submission & review platform.

Technologies: **Struts 2.x, ZK 5.x, Hibernate, MySQL.**

Lessons learned: Learned submission and review work-flows for conference material. Provided a custom solution for a multi-site CMS system.

Education | <https://www.wseas.org>

01/02/2011 – 30/11/2011 – Athens, Greece

SOFTWARE ENGINEER – UIT

Working remotely from Athens, GR.

Project: [SCRIPTUM](#)

Built web based application, for electronic Protocol and Case management, targeted mainly at the public sector.

Technologies: **ZK 5.x, Spring (Core & Security), OpenKM DMS, Hibernate, MySQL.**

Lessons learned: Familiarized self with e-government concepts and procedures. Exposed to Document Management Systems. First-time use of the ZK framework.

Public administration and defence; compulsory social security | <https://scriptum.gr/index9ed2.html?lang=en>

01/11/2008 – 31/01/2011 – Athens, Greece

SOFTWARE ENGINEER – CONVERGE S.A.

Sample projects:

- [Medcode](#) : Web-based platform, integrating heterogenous medical term classifications and allowing alternative term suggestion by certified health care staff. Technologies: **Struts 2.x, jQuery, Hibernate, MySQL**.
- [ND](#) political party's 2009 internal elections: Implemented web-based platform, used nation-wide at voting stations, handling voters' registration and result transmission. Technologies: **Struts 2.x, Hibernate, Postgresql**.

Lessons learned: Learned to operate within a software house, facing multiple concurrent projects, built using custom solutions, often "unofficially" using agile development techniques.

Information and communication | <https://www.converge.gr/>

01/09/2006 – 30/10/2008 – Athens, Greece

SOFTWARE ENGINEER – NATIONAL TECHNICAL UNIVERSITY OF ATHENS CENTRAL LIBRARY

Project: [DSpace @ NTUA](#)

Implemented the National Technical University of Athens Institutional Repository (Digital Library).

Technologies: **Dspace 1.x, JSF 1.x, Hibernate, Postgresql**.

Lessons learned: Familiarized self with academic library operating procedures. Learned librarian meta-data standards. Performed presentations in international conferences.

Education | <http://lib.ntua.gr/>

01/05/2005 – 30/04/2006 – Athens, Greece

SOFTWARE ENGINEER – BANK OF CYPRUS LTD

Implemented middleware applications, bridging between ICBS/AS-400 and PeopleTools CRM.

Technologies: **J2SE, Servlets, Oracle 9**.

Lessons learned: Familiarized self with banking system operations. Exposed to a variety of different systems and infrastructures. Adopted strict operating procedures.

01/08/2003 – 31/01/2005 – Greece

ARMED FORCES LIEUTENANT – HELLENIC ARMY, SPECIAL FORCES COMMAND

Graduated top of the class from Reserve Officers Training Course. Served as Platoon Commander. Promoted to 2nd Lieutenant upon discharge from service. Certified Static Line Paratrooper.

Lessons learned: Commanding personnel under strenuous circumstances. Reached physical & psychological limits.

Public administration and defence; compulsory social security | <http://army.gr/en>

01/03/1999 – 31/08/2000 – Athens, Greece

NETWORK SUPPORT – L'OREAL PRODUIT DE LUXE HELLAS

Intranet support (Windows NT based). Phone & On-site support for hand-held bar code scanners used by retail stores.

Lessons learned: Knowledge of NT based networks, supporting & interacting with users in real-time. Familiarization with a multi-national corporate environment.

● EDUCATION AND TRAINING

01/10/1995 – 01/07/2003 – Athens, Greece

MENG IN COMPUTER & ELECTRICAL ENGINEERING – National Technical University of Athens

Field(s) of study

- Information and Communication Technologies : *Software and applications development and analysis* | *Database and network design and administration* | *Information and communication technologies not elsewhere classified*

7.27/10 | Implementing a Mobile Agents system to monitor a QoS network | EQF level 7 | Meng | ECTS | 300 |

<https://www.ece.ntua.gr/en>

● LANGUAGE SKILLS

Mother tongue(s): GREEK

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C2	C2	C2	C2	C2
SPANISH	C2	C2	C2	C2	C2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

● DIGITAL SKILLS

Vue.js | GIT (GitHub) | JQuery | Web Development: HTML 5, CSS, JavaScript | SQL | Linux | Git | Java | MySQL | JSON | RESTful Webservices | SOAP Web Services via JAX-RS and JAX-WS APIs | Bootstrap | Geospatial Databases: PostgreSQL / PostGIS | JUnit | Spring Framework Spring Boot Spring MVC Spring Data Jpa Spring Security Spring Batch | JPA/Hibernate | Microservices (Docker, Docker Swarm) | Spring Cloud | Object-Oriented Programming | Apache Tomcat

● DRIVING LICENCE

Driving Licence: B

● PUBLICATIONS

Theses e-submission tool at the National Technical University of Athens

www.emeraldinsight.com/doi/abs/10.1108/10650751011048498 – 2010

This paper's aim it to analyze added value that the theses e-submission system (tool) gave to the NTUA IR service.

[Koulouris, A.](#) and [Anagnostopoulos, A.](#) (2010), "Theses e-submission tool at the National Technical University of Athens", *OCLC Systems & Services: International digital library perspectives*, Vol. 26 No. 2, pp. 123-132. <https://doi.org/10.1108/10650751011048498>

Geotagging Software for media content based on EGNOS/GPS Location Based Service (LBS)"

<https://manualzz.com/doc/46396926/geotagging-software-for-media-content-based-on-egnos-gps> – 2015

This paper describes the design and implementation process adopted by Geotagging in c-Space project (<http://www.c-spaceproject.eu/>)

Anagnostopoulos, A., Trypitsidis, A., Papadakis, N., Bonazountas, M., Kallidromitou, D. (2015): "[Geotagging Software for media content based on EGNOS/GPS Location Based Service \(LBS\)](#)", FOSS4G Europe Como 2015, pp 353-362.

HEAL Institutional Repositories Horizontal Action

<http://healjournal.seab.gr/index.php/hli/article/view/85> – 2016

Anagnostopoulos, A., Mitrou, N. (2016): "HEAL Institutional Repositories Horizontal Action", HEAL Journal, first issue, second edition, pp. 90-100.

● HONOURS AND AWARDS

09/2004

Certified static line paratrooper - Hellenic Army

Went through the 5-week Paratroopers School, performed 5 jumps out of a C-130 a/c and got awarded the paratrooper's wings.

05/2004

Green Beret - Hellenic Army

Went through the 5-week Hellenic Army Special Operations School for non-commissioned officers, undergoing rigorous physical and mental training on various subjects.

02/2003

Top of Class 2004-1 Reserve Officer - Hellenic Army

Went through the 5-month Infantry Reserve Officers School, got selected as the Class's Chief Sergeant on the 1-month mark, and graduated top of the class.