



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

Application & Cloud Architect

European Commission [26/02/2024 – Current]

City: Athens

Country: Greece

Name of unit or department: Directorate General Competition (DG COMP) - **Business or sector:** Public administration and defence; compulsory social security

Directorate General Competition (DG COMP).

Selecting and/or adapting the tech stack for existing and new projects. Providing PoCs and implementing new features, in the context of one of the DG's teams.

Technologies: Oracle, JPA/Hibernate, Spring Batch, Spring Integration, Spring Boot, WebLogic.

Lessons learned: Adopt Enterprise Integration Patterns.

Lead Software Engineer

Zai [17/12/2021 – 14/02/2024]

City: Remote

Country: Greece

Website: <https://www.hellozai.com/>

Email address: aanagnostopoulos@hellozai.com

Name of unit or department: Engineering - **Business or sector:** Financial and insurance activities

- Lead design development on defined API collections and support all Technical discussions within their group.
- Support Product Owners in defining proper requirements and technical details for the integration of projects, following company architectures and standards.
- Architect systems and services following best practices, create shareable artifacts for these designs.
- Manage, coach and develop a Delivery Team of Engineers to ensure high engagement, technical curiosity and collaborative culture in their teams.
- Maintain and evolve cloud infrastructure.
- Participate in a daily & nightly on-call rota.
- Collect evidence and participate in external audits.
- Work with technical and non-technical stakeholders on defining medium and long term strategic goals.

Technologies: **Oracle, Spring Data JPA/Core, AWS, Vagrant, Chef, Jenkins, Terraform, Docker.**

Technology Expert

European Commission [28/02/2021 – 13/12/2021]

City: Athens

Country: Greece

Name of unit or department: Directorate General of Energy and Transport - **Business or sector:** Public administration and defence; compulsory social security

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.
- Responsible for selecting/adapting the tech stack for existing and new projects.
- Provide PoCs.
- Implement new features.
- Review code.

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

Software engineer

CurrencyFair [27/05/2018 – 25/02/2021]

City: Dublin

Country: Ireland

Website: <https://www.currencyfair.com/>

Name of unit or department: Engineering - **Business or sector:** Financial and insurance activities

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.

CTO

Public Soft [30/04/2017 – 31/12/2021]

City: Athens

Country: Greece

Website: www.publicsoft.gr

Business or sector: Public administration and defence; compulsory social security

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, Kafka.**

Lessons learned: Technical team coordination and guidance.

Software engineer

Hellenic National Documentation Center [30/04/2017 – 30/10/2017]

City: Athens

Country: Greece

Website: <http://www.ekt.gr/en>

Business or sector: Education

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.

Software engineer

Sastix [31/08/2017 – 29/10/2017]

City: Athens

Country: Greece

Business or sector: Information and communication

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.

Software engineer

Epsilon International S.A. [31/10/2016 – 29/06/2017]

City: Athens

Country: Greece

Website: <http://www.epsilon.gr/group/companies/epsilon-international>

Business or sector: Information and communication

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.

Software engineer

Infil [30/06/2016 – 30/12/2016]

City: Athens

Country: Greece

Website: <https://www.infil.com/>

Business or sector: Public administration and defence; compulsory social security

Working remotely from Athens, GR.

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

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

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.

Software engineer

Infil [31/08/2015 – 29/11/2016]

City: Athens

Country: Greece

Business or sector: Information and communication

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.

Software engineer

Epsilon International S.A. [31/10/2013 – 30/05/2016]

City: Athens

Country: Greece

Business or sector: Information and communication

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).

Software engineer

Hellenic Academic Libraries Link (HEAL Link) [31/01/2012 – 29/04/2016]

City: Athens

Country: Greece

Business or sector: Education

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.

Software engineer

iKnowHow [31/08/2013 – 30/12/2014]

City: Athens

Country: Greece

Website: <http://www.iknowhow.com/>

Business or sector: Information and communication

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.

Software engineer

Epsilon International S.A. [30/09/2013 – 30/12/2013]

City: Athens

Country: Greece

Business or sector: Information and communication

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.

Software engineer

ZESI [31/03/2013 – 29/09/2013]

City: Athens

Country: Greece

Business or sector: Human health and social work activities

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.

Software engineer

Hellenic ICT Engineers Association [31/12/2012 – 29/09/2013]

City: Athens

Country: Greece

Website: <https://www.computer-engineers.gr>

Business or sector: Information and communication

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.

Software engineer

Hellenic Railroads Organization (TRAINOSE) [31/05/2012 – 29/11/2012]

City: Athens

Country: Greece

Business or sector: Transportation and storage

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.

Software engineer

WSEAS [31/08/2011 – 29/04/2012]

City: Athens

Country: Greece

Website: <https://www.wseas.org>

Business or sector: Education

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.

Software engineer

UIT [31/01/2011 – 29/11/2011]

City: Athens

Country: Greece

Website: <https://scriptum.gr/index9ed2.html?lang=en>

Business or sector: Public administration and defence; compulsory social security

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.

Software engineer

Converge S.A. [31/10/2008 – 30/01/2011]

City: Athens

Country: Greece

Website: <https://www.converge.gr/>

Business or sector: Information and communication

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.

Software engineer

National Technical University of Athens Central Library [31/08/2006 – 29/10/2008]

City: Athens

Country: Greece

Website: <http://lib.ntua.gr/>

Business or sector: Education

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.

Software engineer

Bank Of Cyprus Ltd [30/04/2005 – 29/04/2006]

City: Athens

Country: Greece

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.

Armed forces lieutenant

Hellenic Army, Special Forces Command [31/07/2003 – 30/01/2005]

Country: Greece

Website: <http://army.gr/en>

Business or sector: Public administration and defence; compulsory social security

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.

Network support

L'Oreal Produit de Luxe Hellas [28/02/1999 – 30/08/2000]

City: Athens

Country: Greece

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

HashiCorp Certified: Terraform Associate

Hashicorp

Website: https://www.credly.com/badges/c1c0a091-3503-45c5-b9da-c52440e71e16/public_url

Valid until: 07/10/2025

AWS Certified Solutions Architect - Associate

Amazon Web Services

Website: https://www.credly.com/badges/1e90dcc6-cda5-401d-9304-8263f7b9f76f/public_url

Meng in Computer & Electrical Engineering

National Technical University of Athens [30/09/1995 – 30/06/2003]

City: Athens

Country: Greece

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

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*

Final grade: 7.27/10 – Level in EQF: EQF level 7

NQF Level: Meng – Type of credits: ECTS – Number of credits: 300

Thesis: Implementing a Mobile Agents system to monitor a QoS network

LANGUAGE SKILLS

Mother tongue(s): **Greek**

Other language(s):

English

LISTENING C2 READING C2 WRITING C2

SPOKEN PRODUCTION C2 SPOKEN INTERACTION C2

Spanish

LISTENING C2 READING C2 WRITING C2

SPOKEN PRODUCTION C2 SPOKEN INTERACTION 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 / Apache Kafka (Base)

DRIVING LICENCE

Driving Licence: B

PUBLICATIONS

[Theses e-submission tool at the National Technical University of Athens](#)

[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)”

[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

[2016]

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

HONOURS AND AWARDS

Certified static line paratrooper

Hellenic Army [09/2004]

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

Green Beret

Hellenic Army [05/2004]

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

Top of Class 2004-1 Reserve Officer

Hellenic Army [02/2003]

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.