# Nikolaos Anyfantis

Curriculum Vitae

## Personal Data

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| Place & Date of Birth: | Heraklion, Greece \| 08 Sept 1989 |
| Address: | 6 Laodamantos St., Heraklion - Crete, Greece |
| Telephone No. : | +30 697 3756607 |
| email: | nikosanif@gmail.com |
| Nationality: | Greek |

## Work Experience

**Jan 2021 – Present**
*London, UK*

**Lead Frontend Developer**
Turintech
*As a Lead Frontend Developer, I am responsible for overseeing the development and implementation of web applications. My role involves developing high-quality, scalable, and maintainable code, as well as mentoring and coaching junior frontend developers. I am also responsible for staying up-to-date with the latest industry trends and technologies, ensuring that the team is delivering innovative solutions to meet the needs of the business and its customers.*

**Apr 2016 – Jan 2021**
*Heraklion, Greece*

**Research & Development Engineer**
Human Computer Interaction Laboratory (HCI) - ICS
Foundation for Research and Technology (FORTH)
*RnD Engineer on both research and production project areas. Strong experience on intelligent environments with the use of artificial intelligent, sensor networks and pervasive and mobile computing. Moreover, experienced in design and development of significant production projects of remarkable companies.*

**Aug 2014 – Feb 2016**
*Heraklion, Greece*

**Software Developer, Research Assistant**
Information Systems Laboratory (ISL) - ICS
Foundation for Research and Technology (FORTH)
*As a Research Assistant of Information Systems Laboratory team under supervision of professor Yannis Tzitzikas. Working on services of modern Intelligent Systems and Virtualization technologies on Semantic Web area.*

**Jun 2011 - Nov 2011**
*Athens, Greece*

**Software Developer**
CGSoft Company
*Working as an undergraduate student on websites development based on Content Management Systems (CMS), such us Wordpress, Joomla and Magento.*

## Education

**Feb 2014 - Feb 2016**
*Heraklion, Greece*

**University of Crete**
M.Sc. in Computer Science - Gpa: 9/10
Specialization: Information Systems, Semantic Web, E-Commerce
Thesis: "Mappings Management for Ontology-based Integration"
Advisor: Prof. Yannis Tzitzikas

Courses: *Semantic Web Data Management, Process Management Systems, Advanced Topics in Human-Computer Interaction, Interactive Computer Graphics, Special Topics on E-commerce, Knowledge Representation and Reasoning*

**Sep 2007 – Sep 2011**

**University Of Piraeus**

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|---|---|
| *Piraeus, Greece* | B.Sc. in INFORMATICS - GPA: 7.8/10 |
| | Specialization: INFORMATION SYSTEMS |
| | Thesis: "IT Systems Security and Penetration Testing" |
| | Advisor: Prof. Euaggelos FOUNTAS |
| | Important Courses: *Data Structures, Algorithms, Internet and Web Programming, Software Engineering, Data Warehousing and Data Mining, Information Retrieval and Searching on the World Wide Web, Internet-Based Information Systems* |

## TECHNICAL SKILLS

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| **Frond-End Programming** | Angular, Typescript, JavaScript, NgRX, RxJS, Angular Material Fetch API / Ajax, Web Sockets, Server-sent Events, HTML5, CSS3 (SASS, LESS), Material Design, Bootstrap, D3js |
| **Back-End Programming** | Node.js, NestJS, Express.js, Fastify, Mongoose, MikroORM, Java, C#, JWT Auth, REST/SOAP API Services, Shell scripting |
| **DBM Systems** | NoSQL - MongoDB, ElasticSearch, Neo4J, RDF/S, SparQL SQL - PostgreSQL, MySQL, Oracle |
| **Message Brokers** | Apache Kafka, Redis, RabbitMQ |
| **DevOps** | Docker, Docker Compose, GitHub Actions, GitLab CI/CD |
| **Development Tools** | NPM, Yarn, NX monorepos, Prettier, ESLint, esbuild, Webpack, Conventional commits, Swagger |
| **Version Control Systems** | GIT (GitHub, GitLab, Bitbucket, TortoiseGIT), SVN |
| **Data Formats** | JSON, YAML, XML, Xpath, Xquery, XSLT, XSD |
| **Software Platforms** | VSCode, WebStorm, Visual Studio, Adobe Photoshop, Adobe XD, Microsoft Office Suite, LaTeX |
| **Other skills** | - Extensive hands-on experience with Angular and NestJS (Node.js) <br> - Lead projects and supervise a small team <br> - Strong attention to detail and good problem-solving <br> - Staying up-to-date with the latest industry trends and technologies <br> - Good verbal and written communication skills |

## TEACHING EXPERIENCE

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| WINTER SEMESTER <br> 2015-16 & 2013-14 | **CS100 - Introduction to Computer Science (C)** <br> TEACHING ASSISTANT at CS Dept. - University of Crete |
| SUMMER SEMESTER <br> 2014-15 | **CS359 - Web Programming (Java, Servlets, JSP)** <br> TEACHING ASSISTANT at CS Dept. - University of Crete |
| WINTER SEMESTER <br> 2014-15 | **CS252 - Object-Oriented Programming (Java)** <br> TEACHING ASSISTANT at CS Dept. - University of Crete |

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| <span style="font-variant:small-caps">Summer Semester</span><br>2013-14 | **CS150 - Programming (C++)**<br><span style="font-variant:small-caps">Teaching Assistant</span> at CS Dept. - University of Crete |

## Publications

- **Paper**. Nikolaos Anyfantis, Evangelos Kalligiannakis, Achilleas Tsiolkas, Asterios Leonidis, Maria Korozi, Prodromos Lilitsis, Margherita Antona and Constantine Stephanidis *"AmITV: Enhancing the Role of TV in Ambient Intelligence Environments"*. Proceedings of the 11th PErvasive Technologies Related to Assistive Environments Conference. ACM, 2018. Corfu, Greece.

- **Poster**. Asterios Leonidis, Dimitrios Arampatzis, Nikolaos Louloudakis, Nikolaos Anyfantis, Achilleas Tsiolkas and Constantine Stephanidis. *"AmI Solertis: a Web-IDE for Defining the Behaviour of Smart Environments"*. 11th Scientific Conference of FORTH. October 13-14, 2017, Heraklion, Crete, Greece.

- **Contribution in the context of MSc Thesis**. Yannis Marketakis, Nikos Minadakis, Haridimos Kondylakis, Konstantina Konsolaki, Georgios Samaritakis, Maria Theodoridou, Giorgos Flouris, Martin Doerr. *"X3ML Mapping Framework for Information Integration in Cultural Heritage and beyond"*. International Journal on Digital Libraries (2016).

## Certificates & Volunteerism

- *Technical host at HCI International 2020 Conference.*
  July 19-24, 2020, FORTH-ICS, Heraklion, Crete, Greece.

- *9th Symposium and Summer School on Service Oriented Computing - SummerSOC'15.*
  June 2015, Crete, Greece.

- *3rd MUMIA Training School on Information Retrieval.*
  July 21-25, 2014, FORTH-ICS, Heraklion, Crete, Greece.

- *Google Developer Groups - DevFest Crete 2015. Local ambassador.*
  November 26-28, Heraklion, Crete, Greece.

## Notable Projects

### European Projects

- **InCulture** Collection, narrative correlation and presentation of the intangible cultural heritage.
  http://www.inculture-project.gr/

- **CuRe** Cultures and Remembrances; Virtual time travels to the encounters of people from the 13th to 20th centuries.
  http://www.cure-project.gr/

- **TranSOL** Transnational solidarity at time of crisis. The EC project TranSOL (WP 2).
  http://transsol.eu/project/

- **LIVEWHAT** Living With Hard Times. The EC project LIVEWHAT (WP 6).
  http://www.livewhat.unige.ch/

- **BlueBRIDGE** is an EC funded project under the H2020 framework that kicked-off on 1st Sep 2015 aiming to further develop and exploit the iMarine e-Infrastructure data services for an ecosystem approach to fisheries.
  http://www.bluebridge-vres.eu/

### Production Projects

- **Piraeus Bank.** Design and development of multimedia content presentation software and interactive in-store navigation (e-branch).

- **Bus Services.** Participation in the redesign of the information signs of arrivals and departures of the KTEL Heraklion - Lassithi, in the context of the development of interactive Diffuse Intelligence systems for the new intercity bus station.

RESEARCH PROJECTS

- **Intelligent House.** Design and orchestrate sophisticated mechanisms in order to enhance the everyday user activities with the use of pervasive and mobile computing, sensor networks, artificial intelligence, multimedia computing, middleware and agent-based software.

- **MatWare** is a tool for constructing domain-specific warehouses by aggregating semantic data. The main objective is to tackle the need for having integrated sets of facts regarding a particular domain. http://www.ics.forth.gr/isl/MatWare/

## ADDITIONAL INFORMATION

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| LANGUAGES: | Greek (native) |
| | English - Professional working proficiency - Fluent |
| | Spanish - Elementary proficiency |
| DRIVING LICENSE: | A, B |
| MILITARY SERVICE: | 9 months military service (obligatory in Greece) |
| | 24 November 2011 - 24 August 2012 |
| INTERESTS & ACTIVITIES: | Technology, Open-Source, Programming, Cinema, Music, Travelling |
| REFERENCE LETTERS: | Available on request |