

Iason D. Rodis

Software Engineer
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Profile

An ambitious and dynamic software engineer with background in research and over four years of experience who works to high personal standards. Self-motivated and confident working, either on own initiative or as an integral team member.

Work Experience

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| 2016-Present | Software Engineering Fellow <i>CERN</i> , cern.ch
Beams Department, Beam Instrumentation, Software Section |
| 2015-2016 | Software Engineer , <i>CERN</i> , cern.ch
Beams Department, Beam Instrumentation, Software Section |
| 2014-2015 | Research Associate / Software Engineer , <i>Scan Group</i> , scan.di.uoa.gr
Department of Informatics & Telecommunications, University of Athens. |
| 2011-2015 | Freelance web developer and administrator. |
| 2011-2012 | Tech support , <i>Hellenic Telecommunications Organisation S.A.</i> , ote.gr |

Education & Training

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| Coursera | Machine Learning - Stanford, Introduction to Particle Physics - UniGE, Nanotechnology Basics - RICE, VC with Git - Atlassian, Algorithms - Princeton |
| 2015-2018 | Efficient Scientific Computing INFN, SCRUM training, CERN Accelerator School, Communication Training, FESA Hands-on Training, Introduction to MEAN.js, CERN, Security training |
| 2009-2016 | BSc Department of Informatics & Telecommunications, University of Athens, 240 ECTS |
| 2009 | Graduated from "Lycée Léonin", Greek-French High school. |

Projects & Services

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| CERN | Beam Instrumentation Software Portal
Web application used for delivering and launching ExpertGuis and documenting FESA Classes
Based on JHipster: Maven, MySQL, Spring Boot, AngularJS, WebSockets, Elasticsearch, Docker.

LHC Feedback Dashboard
An expert monitoring suite for the LHC beam-based feedbacks.
Based on FESA C++, Maven, JavaFX

Dataviewer
Data visualisation library, github link .
Based on Maven, JavaFX, Jetty, WebSockets, plotly.js |
| Scan Group | FIspace , fispaces.eu , bitbucket.org/fispaces
FIspace is an open-source social network platform for B2B collaboration. |

Web Application - Junior Full stack developer. Based on Maven, Spring MVC, Atmosphere Framework, jQuery, AngularJS, Bower, Grunt and Keycloak.

Diploma Thesis based on **UniverseSelf**, univerself-project.eu

Thesis Title : Adapting Policy-based Management of Future Networks using Collaborative Filtering Techniques.

Based on Java Swing, Web services REST, owl, rdf, MySQL.

Bentley Motors **EQtoolHelper**
Data analysis software package of the “NAIM for Bentley” audio amplifier.
Based on Java SE, Swing, JAXB.

Freelance Various websites developed with CMS platforms, JHipster stack

IT Skills & Expertise

Languages	Java , C/C++, Javascript
Java	EE, Spring, Swing/FX
Web	Angular, jQuery, JHipster
Databases	SQL, NoSQL, TimeSeries
Dev/Ops	Maven/Gradle, gitlab-ci, Docker
Various	CMS, git, Agile/Scrum, Bash, Cubase/Ableton Live
OS	Linux, OS X, Windows

Volunteering

TEDxCERN, Official CERN Guide

Languages

Greek	Native
English	C2
French	C2

Interests

Learning, Teaching, Snowboarding, Camping, Sailing, Hiking, Travelling, Music, Trading

Publications & Conferences

- [3] **Iason Rodis**, Athanasios Topaloudis, ‘*Common Standards for JavaFX GUI Development and its application to the Renovation of the CERN Beam Instrumentation Software Portal and Delivery Mechanism*’, for the 16th International Conference on Accelerator and Large Experimental Physics Control Systems, *ICALEPCS 2017*
- [2] Diogo Alves, **Iason Rodis**, Stephen Jackson, ‘*A monitoring system for the beam-based feed-backs in the LHC*’, for the Real Time Conference (RT), *2016 IEEE-NPSS*.
- [1] R. Arapoglou, **I. Rodis**, P. Magdalinos, N. Alonistioti, ‘*Adapting Policy-based Management of Future Networks using Collaborative Filtering Techniques*’, for the 19th IEEE International Workshop on Computer Aided Modelling and Design of Communication Links and Networks.