

# Iason D. Rodis

Software Engineer  
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## Profile

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

## 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	<b>Beam Instrumentation Software Portal</b> Web application used for delivering and launching ExpertGuis and documenting FESA Classes Based on JHipster: Maven, MySQL, Spring Boot, AngularJS, WebSockets, Elasticsearch, Docker.  <b>LHC Feedback Dashboard</b> An expert monitoring suite for the LHC beam-based feedbacks. Based on FESA C++, Maven, JavaFX  <b>Dataviewer</b> Data visualisation library, <a href="#">github link</a> . Based on Maven, JavaFX, Jetty, WebSockets, plotly.js
Scan Group	<b>FIspace</b> , <a href="http://fispaces.eu">fispaces.eu</a> , <a href="https://bitbucket.org/fispaces">bitbucket.org/fispaces</a> 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](http://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

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Languages	<b>Java</b> , 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

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TEDxCERN, Official CERN Guide

## Languages

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Greek	Native
English	C2
French	C2

## Interests

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

## Publications & Conferences

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- [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.