

Iliya Stefanov Enchev

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Bulgarian
Born 1986



2nd October, 2012

Objective

Internship at DERI in the field of Semantic Web and Linked Data.

Master's thesis

title	Unconventional Store Systems for RDF Data
supervisor	Prof. Philippe Cudré-Mauroux
description	Overview of some main points of the Web, Semantic Web and Linked Data. Presenting a number of registry systems that handle data broadly generalized as entities with identifiers – DNS, DOA, ENS, Chord DHT and CoralCDN. Comparison of four data storage solutions – AllegroGraph, Open Chord, Apache Cassandra, MySQL in their ability to handle RDF entities, using a benchmarking suite developed in Java.

Education

Sep. 10–Oct. 12	MSc in Computer Science , Swiss Joint Master of Science in Computer Science, Universities of Fribourg, Bern and Neuchâtel, Switzerland
emphasis	Software Engineering – several courses and three projects based on GWT, Google maps API, SOAP, REST, MongoDB, Django; Agile Methodologies; Data Management, Ubiquitous computing; Distributed Systems; Concurrent programming.
2005–2009	BSc in Computer Science , German Engineering Faculty of the Technical University of Sofia, Bulgaria
Mar. 08–Aug. 08	Erasmus exchange student , Karlsruhe Institute of Technology – KIT, Germany.

Relevant work experience

Jan. 11–May. 12	Collaborator at University of Fribourg , Switzerland <i>Project Bowlogna</i> —an application for generating ontologies of customizable size, based on real data from the Faculty of Humanities. Transforming relational university data into RDF ontology and developing a Web visualisation for interaction with it, using Jena, AllegroGraph, SPARQL, JavaScript, Ajax, jQuery, Cytoscape Web.
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Feb. 09–Aug. 10 projects	Junior Software Engineer , Musala Soft, Sofia, Bulgaria <i>Barracuda for Mtel</i> – the biggest mobile operator in Bulgaria, part of Mobilkom Austria Group. Integration project for substituting legacy billing, ordering and CRM systems with products developed by Amdocs. <i>Declaration Management System (DMS)</i> with IBM Netherlands, designed to control and administer movements of goods through Dutch Customs. <i>Content Delivery Platform</i> for Mobilkom Austria Group, an application that provides entertainment content for mobile phones – games, ring tones, pictures through Web or WAP interface.
responsibilities	Refactoring and testing PL/SQL procedures that extract information relevant to billing cycles and different kinds of services and subscribers and provide this information to SAP accounting system. Code design, implementation and refactoring; integration activities, close communication with team members, troubleshooting critical production issues. Main tools used: Java EE, JSF, EJB, Hibernate ORM, Oracle DB.

IT Skills

software technologies certification	Java SE/EE, SQL, RDF, Apache Jena, SPARQL, Hibernate, JavaScript, JSON, Ajax, jQuery, Web Services, Oracle DB, Apache Cassandra, Linux Sun Certified Programmer for the Java Platform, Standard Edition 6 Sun Certified Business Component Developer for the Java EE 5
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Languages

Bulgarian	Mother tongue
English	Excellent (Certificate in Advanced English – CAE) C1
German	Excellent (DSH-Deutsche Sprachprüfung für den Hochschulzugang) C1
French	Intermediate B1
Russian	Basic A2

Miscellaneous

leisure	Socialising with friends/colleagues (with a beer); cycling city bike, tandem, unicycle; swimming; playing a Bulgarian folk instrument – gadulka, while at school in an orchestra; travelling locally and abroad; cooking
driving licence	A+B since 2004

Publications

P. Cudré-Mauroux, G. Demartini, I. Enchev, C. Guéret, and B. Perroud. Downscaling entity registries for ad-hoc environments. In *First International Workshop on Downscaling the Semantic Web co-located with the 9th Extended Semantic Web conference, Heraklion, Greece, May 2012*

G. Demartini, I. Enchev, J. Gapany, P. Cudré-Mauroux, and Agarwal. The bowlogna ontology: Fostering open curricula and agile knowledge bases for europe's higher education landscape. *Semantic Web - Interoperability, Usability, Applicability*, 2012

G. Demartini, I. Enchev, J. Gapany, and P. Cudré-Mauroux. Bowlognabench-benchmarking rdf analytics. In *First International Symposium on Data-driven Process Discovery and Analysis (SIMPDA 2011), Campione d'Italia, Italy*, pages 29–43, June 2011

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