Iliya Stefanov Enchev

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Switzerland
Bulgarian
born 1986

2nd October, 2012

Objective

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

Education

Sep.'10–Oct.'12	**MSc in Computer Science,** Swiss Joint Master of Science in Computer Science, Universities of Fribourg, Bern and Neuchâtel, Switzerland.
2005–2009	**BSc in Computer Science,** German Engineering Faculty of the Technical University of Sofia, Bulgaria.
Mar. 05–Aug. 09	**Erasmus Exchange Student,** Karlsruhe Institute of Technology – KIT, Germany.

Master's thesis

title	**Unconventional Store Systems for RDF Data**
supervisor	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 data entities, with the help of a benchmarking suite developed in Java.

Relevant work experience

Jan. 11–May. 12	**Collaborator at University of Fribourg**, Switzerland
	BowlognaBench, an application that generates different sized ontologies based on real data from the university. Transforming relational data from the Faculty of Humanities into RDF ontology and developing a Web visualisation for interaction with it, using Hibernate, Jena, AllegroGraph, SPARQL, JavaScript, Ajax, jQuery, Cytoscape Web.
Feb. 09–Aug. 10	**Junior Software Engineer,** Musala Soft, Sofia, Bulgaria
Apr. 10–Aug. 10	*Project:* Barracuda for Mtel – 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.
	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.
Jun. 09–Mar. 10	*Project:* Declaration Management System (DMS) for Netherlands, designed to control movements of goods that go through Dutch Customs and are placed under Dutch Customs regulations.
	Responsibilities: Code design and refactoring, implementation of new functionalities, according to design specifications; integration and FAT activities, close communication with team members. Main tools used: JSF, EJB.
Feb. 09–May. 10	*Project:* Content Delivery Platform for Mobilkom Austria Group, an application that provides entertainment content for mobile phones – games, ring tones, pictures through Web or WAP interface.
	Responsibilities: Code design, implementation and refactoring; troubleshooting critical production issues, using mainly Java EE, Hibernate ORM, Oracle DB.

IT Skills

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

Languages

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

Miscellaneous

leisure	socializing with friends/colleagues (with a beer); cycling different kinds of bycicles – city, tandem, monocycle; swimming; music – having played a bulgarian folk instrument – gadulka in an orchestra since elementary school; travelling locally and abroad; cooking
driving licence	A+B since 2004

Publications

2012	Philippe Cudré-Mauroux, Gianluca Demartini, Iliya Enchev, Christophe Guéret, and Benoit 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
2012	Gianluca Demartini, Iliya Enchev, Jöel Gapany, Philippe 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
2011	Gianluca Demartini, Iliya Enchev, Joël Gapany, and Philippe 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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