

Iliya Stefanov Enchev

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Bulgarian
Born 29.03.1986



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Objective

Work as a research assistant by Prof. Cudré-Mauroux at DIUF at the University of Fribourg.

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; cycling; swimming; playing a Bulgarian folk instrument – gadulka; travelling locally and abroad; cooking
driving licence	A+B since 2004 [2]bolbench [1] [3]

Publications

- [1] 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*.
- [2] 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*.
- [3] 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.