

# • • Curriculum Vitae • •

## ◇ Personal Information

### Ivan Dimitrov Kaley

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## ◇ Professional Experience

### • August 2005-Current

#### **Senior Bioinformatician – Database Developer @ Metalife AG**

JOB DESCRIPTION	Senior Bioinformatician – SQL Server Database Developer
EMPLOYER	Metalife AG
SUMMARY	<ul style="list-style-type: none"><li>- Leadership and management of .NET and SQL Server bioinformatics software projects, requirements and implementation analysis</li><li>- Providing strong Bioinformatics and Biological expertise (e.g. developing the bioinformatics/biological foundation of a given project; translating the bioinformatics concepts into technical models)</li><li>- Conceptual, Logical and Physical design of relational databases, performance tuning, normalization, and administration. Extensive development of T-SQL and C#.NET stored procedures, User-defined functions and SQL Server Scheduled Jobs</li><li>- Development of T-SQL, Perl and .NET based Bioinformatics tools and applications (parsers, database interfaces, algorithmic workflows)</li><li>- Development of complex data extraction and build scripts for the Metalife knowledge databases (e.g. BioExplorer – comprehensive protein non-redundant database, PhenomicDB – genotype/phenotype database, GbCDS – coding sequences, NRP – protein clusters)</li><li>- Providing high-level customer support, troubleshooting and bug fixing</li></ul>

### • February 2007-Current (on demand)

#### **Bioinformatics Consultant @ University of Sofia**

RESEARCH TYPE	Bioinformatics Application Developer and Consultant in a Proteomics Research Project
RESEARCH ORGANIZATION	University of Sofia, Laboratory of Plant Molecular Biology
RESEARCH PROFILE	Molecular basis of somatic embryogenesis – identification of secreted proteins in suspension cultures of <i>D. glomerata</i> that might serve as markers for somatic embryogenesis
SUMMARY	Design and implementation of a bioinformatics workflow for de novo sequencing and annotation of low-weight proteins based on MALDI-TOF spectra and Edman degradation

- March/May 2009**  
**Web Application Developer @ LifeSciences.BG**

JOB DESCRIPTION	Collaborator, Web Application Developer, DBA and Web Designer
JOB TYPE	A parallel, personal initiative
SUMMARY	<ul style="list-style-type: none"> <li>- As a collaborator: Development of an open Bulgarian community of life scientists</li> <li>- As a programmer: Design of the public interface, Development of a OO Perl/MySQL/AJAX-based content management system</li> </ul>
  
- March/April 2007, March 2008**  
**Web Application Developer @ Human Value International Ltd.**

JOB DESCRIPTION	Web Application Developer, DBA and Web Designer
JOB TYPE	A parallel, freelance project
EMPLOYER	Human Value International Ltd.
SUMMARY	<ul style="list-style-type: none"> <li>- Design and physical implementation of a MySQL relational database to store the company's proprietary data</li> <li>- Development of Web-based interface using Perl/MySQL on the server-side and AJAX/Prototype as a client technology</li> </ul>
  
- September/October 2007**  
**Web Application Developer @ Rotary Club Sofia International**

JOB DESCRIPTION	CMS Web Developer, DBA and Web Designer
JOB TYPE	A parallel, freelance project
EMPLOYER	Rotary Club Sofia International
SUMMARY	<ul style="list-style-type: none"> <li>- Design of the RCSI public web site</li> <li>- Development of AJAX-based Content Management System (using OO Perl/MySQL as a server-side technology and AJAX/Prototype Framework on the client-side)</li> </ul>

## ◇ Professional Expertise

### **Bioinformatics (Databases, Tools)**

EXPERIENCE 4 years

### **Relational Database Management Systems and SQL (MS SQL Server, MySQL, PostgreSQL)**

EXPERIENCE 4 years

CERTIFICATIONS

- Microsoft Certified IT Professional (MCITP): Database Developer
- Microsoft Certified Technology Specialist (MCTS): SQL Server 2005
- Brainbench "RDBMS Concepts"

### **Perl**

EXPERIENCE 3 years

### **JavaScript**

EXPERIENCE 2-3 years

## CERTIFICATIONS

- Brainbench "AJAX"
- Brainbench "Web Development Concepts"

## XHTML and CSS

EXPERIENCE 3 years

## XML, XSD, XPath and XSLT

EXPERIENCE 3 years

## C#.NET

CERTIFICATION Brainbench "C#"

## ◇ University Background

- 2005-2007

### Genetic Engineering

DEGREE Master of Science  
UNIVERSITY Sofia University "St. Kliment Ohridski", Faculty of Biology  
MAJOR SUBJECTS Recombinant DNA Technologies, Bioinformatics, Genomics  
THESIS "Workflow for protein de novo sequencing by in silico interpretation of MALDI-TOF spectra" – describes a Perl implementation of a workflow for protein sequencing based on mass spectral data

- 2001-2005

### Molecular Biology

DEGREE Bachelor of Science  
UNIVERSITY Sofia University "St. Kliment Ohridski", Faculty of Biology  
MAJOR SUBJECTS Biochemistry, Biophysics, Molecular Biology and Immunology

## ◇ Skills and Personal Qualities

### Foreign Languages

ENGLISH Fluent (written, spoken)  
BULGARIAN Native

### Personal Attributes

- Cooperative
- Creative
- Analytical
- Accurate
- Efficient and Reliable
- Professional
- Goal-oriented
- Open-minded
- Enthusiastic
- Curious
- Very fast in learning and improvement
- Persuasive
- Capable of supervising/leading small teams
- Loyal

## ◇ Publications

### PhenomicDB @ Nucleic Acid Research

TITLE	"PhenomicDB – a new cross-species genotype/phenotype resource"
CITATION	Nucleic Acids Res. 2007 January; 35(Database issue): D696–D699

## ◇ Recommendations

### Assoc. Prof. Magdalena Tchorbadjieva, PhD

	<ul style="list-style-type: none"><li>- Professor at Sofia University</li><li>- Master thesis supervisor</li></ul>
EMAIL	<a href="mailto:magd@biofac.uni-sofia.bg">magd@biofac.uni-sofia.bg</a>
CONTACT ADDRESS	Faculty of Biology, Department of Biochemistry, Sofia University, 8 Dragan Tzankov Blvd, 1164 Sofia, Bulgaria

### Assoc. Prof. Ivelin Pantchev, PhD

	<ul style="list-style-type: none"><li>- Professor at Sofia University</li></ul>
EMAIL	<a href="mailto:ipanchev@abv.bg">ipanchev@abv.bg</a>
CONTACT ADDRESS	Faculty of Biology, Department of Biochemistry, Sofia University, 8 Dragan Tzankov Blvd, 1164 Sofia, Bulgaria


### Dimitar Ivanov, MS

	<ul style="list-style-type: none"><li>- Country Manager at Human Value International</li></ul>
EMAIL	<a href="mailto:dimitar.ivanov@humanvalue.eu">dimitar.ivanov@humanvalue.eu</a>
CONTACT ADDRESSES	22 Asen. Zlatarov Str, 1504 Sofia, Bulgaria

## ◇ Appendix

**Microsoft Certified Professional Transcript**

Last Activity Recorded: March 17, 2009  
 Microsoft Certified Professional ID: 6672993




MAN KALEV

### Microsoft Certification Status

Credential	Certification / Version	Date Achieved
Microsoft Certified IT Professional	Database Developer	March 17, 2009
Microsoft Certified Technology Specialist	SQL Server 2005	January 12, 2009

### Microsoft Certification Exams Completed Successfully

Exam ID	Description	Date Completed
442	PRO: Designing and Optimizing Data Access by Using Microsoft® SQL Server™ 2005	March 17, 2009
441	PRO: Designing Database Solutions by Using Microsoft® SQL Server™ 2005	February 16, 2009
431	TS: Microsoft® SQL Server™ 2005 - Implementation and Maintenance	January 12, 2009



## Brainbench





a PREVISOR™ company

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**Ivan Kalev**

Transcript ID#: 6933988

**Brainbench and Other Certifications**

Name:	Date:	Authority:
	2008-08-25	Brainbench
	2008-08-25	Brainbench
	2009-02-02	Brainbench
	2009-02-04	Brainbench