

CURRICULUM VITAE

PERSONAL

Ivan Dimitrov Kalev

NATIONALITY	Bulgarian
AGE	27
E-MAIL	ivan.kalev@gmail.com
HOMEPAGE	lifesciences.bg



EMPLOYMENT (FULL-TIME)

- **November 2009-Current**
Bioinformatician – Ph.D. Project @ MPI

TITLE	Bioinformatician
PHD PROJECT	“Fragment-based methods for protein structure calculation”
SUPERVISOR	Michael Habeck - Computational Structural Biology Group
RESEARCH ORGANIZATION	Max Planck Institute for Developmental Biology, Tuebingen, Germany
- **August 2005-October 2009**
Bioinformatician – Database Developer @ Metalife AG

TITLE	Bioinformatician, SQL Server Database Developer
EMPLOYER	Metalife AG
SUMMARY	<ul style="list-style-type: none">- Leadership and management of bioinformatics software projects, requirements and implementation analysis, specification and modeling- Conceptual, Logical and Physical design of SQL Server databases, performance tuning, normalization, and administration. Extensive development of T-SQL and C#.NET stored procedures, User-defined functions and SQL Server Scheduled Jobs- Development of T-SQL, Perl and C# based Bioinformatics tools and applications (parsers, database interfaces, algorithmic workflows)- Development of data extraction and build routines for the Metalife knowledge databases- Providing high-level customer support, troubleshooting and bug fixing

EMPLOYMENT (SIDE PROJECTS)

- **February 2007-June 2007; Current (on demand)**
Bioinformatics Consultant @ University of Sofia

RESEARCH ORGANIZATION	University of Sofia, Laboratory of Plant Molecular Biology
-----------------------	------------------------------------------------------------

SUMMARY

Design and implementation of a bioinformatics workflow for de novo sequencing and annotation of low-weight proteins based on MALDI-TOF spectra

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

JOB DESCRIPTION

Collaborator, Web Application Developer, DBA and Web Designer

SUMMARY

Design of the public interface, Development of an OO Perl/MySQL/AJAX-based content management system

• **March/April 2007, March 2008**
Web Application Developer @ Human Value International Ltd.

JOB DESCRIPTION

Web Application Developer, DBA and Web Designer

EMPLOYER

Human Value International Ltd.

SUMMARY

- Design and physical implementation of a MySQL relational database to store the company's proprietary data
- Development of Web-based interface using Perl/MySQL on the server-side and AJAX/Prototype as a client technology

EDUCATION

• **2005-2007**
Genetic Engineering (MS)

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 and annotation based on mass spectral data

• **2001-2005**
Molecular Biology (BS)

UNIVERSITY

Sofia University "St. Kliment Ohridski", Faculty of Biology

MAJOR SUBJECTS

Biochemistry, Biophysics, Molecular Biology and Immunology

EXPERTISE

Bioinformatics (sequence analysis, protein structure prediction)

SQL, Relational Database Management Systems (SQL Server, PostgreSQL, MySQL)

CERTIFICATIONS

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

Python

Perl

JavaScript

CERTIFICATIONS

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

XHTML and CSS

XML and XSD

C#.NET

CERTIFICATION

Brainbench "C#"

LANGUAGE SKILLS

Bulgarian (native)

English

German (basic)

PUBLICATIONS

- 2010
Phenocustering: Online mining of cross-species phenotypes. *Bioinformatics* 26(15): 1924-1925
- 2009
A partial secretome analysis of embryogenic suspension cultures of *Dactylis glomerata* L. (Poster)
- 2007
PhenomicDB - a new cross-species genotype/phenotype resource. *Nucleic Acids Res.* 35: D696–D699

RECOMMENDATIONS

Assoc. Prof. Magdalena Tchorbadjieva, Ph.D.

EMAIL magd@biofac.uni-sofia.bg

Assoc. Prof. Ivelin Pantchev, Ph.D.

EMAIL ipanchev@abv.bg

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



Ivan Kalev

Transcript ID#:6933988

Brainbench and Other Certifications

Name:	Date:	Authority:
 M A S T E R C#	2008-08-25	Brainbench
 A J A X	2008-08-25	Brainbench
 M A S T E R Web Development Concepts	2009-02-02	Brainbench
 M A S T E R RDBMS Concepts	2009-02-04	Brainbench