




Dr. Binnur Kurt

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<http://binkurt.blogspot.com>
0-542-545-0051

Professional Experience

 *2008-to date*
Training and Consultancy **Principal Software Engineer**

I am currently working as an information technology consultant and trainer in Java Standard and Enterprise Technologies, Object Oriented Analysis and Design, Service Oriented Architecture, Spring Framework, MySQL, Oracle Middleware Technologies, Unix Programming and Administration, High performance computing, Big Data and Machine Learning, and Real-Time Computer Vision systems. I have more than 15 years of experience in designing and implementing enterprise applications. I have also designed many IT trainings and written training materials on advanced topics.

Trainings Offered:

- **Omega Trainings**

C/C++ Trainings

OMEGA-100: C Programming Language
OMEGA-110: Object Oriented Programming using C++
OMEGA-112: Object Oriented Programming using C++14
OMEGA-115: Multi-Threaded Programming in C++11
OMEGA-116: Network Programming using Boost.Asio
OMEGA-118: Advanced C++ Programming
OMEGA-120: OOP Principles and Design Patterns (in C++)
OMEGA-140: Linux Programming
OMEGA-185: OpenCL Programming

Programming Trainings

OMEGA-160: Python Programming
OMEGA-170: Perl Programming
OMEGA-270: Scala Programming

Java SE Trainings

OMEGA-200: Java Performance Tuning and Optimization
OMEGA-202: Java SE 8 Programming
OMEGA-204: Java SE 9 Programming
OMEGA-205: Preparation for OCA/OCP Java SE 8 Programmer Exams
OMEGA-210: Advanced Java Programming
OMEGA-215: Test Driven Development with junit 4
OMEGA-220: OOP Principles and Design Patterns (in Java)
OMEGA-235: Effective Java Programming
OMEGA-240: Developing GUI using Swing
OMEGA-242: Java 2D Programming
OMEGA-244: Developing Rich Client Applications using JavaFx
OMEGA-250: New features in Java SE 8 and 9
OMEGA-255: New Features of Java Platforms (Java SE 8/9; EE 7/8)

Big Data Trainings

OMEGA-700: Big Data Essentials

OMEGA-710: Practical Machine Learning

Java EE Trainings

OMEGA-320: Core JSF2

OMEGA-326: Core JSF2 with PrimeFaces 6

OMEGA-340: Hibernate 5

OMEGA-342: Java Persistence with JPA 2.1

OMEGA-364: Java EE 7 Patterns

OMEGA-365: Architect Enterprise Applications with Java EE 8

OMEGA-392: Developing Enterprise Applications on Java EE7

OMEGA-394: Business Component Development on Java EE7

OMEGA-405: Transforming XML with XSL and Java

OMEGA-422: Developing SOA using Web Services on Java EE7

JavaScript Trainings

OMEGA-302: Developing Angular 4 Applications

OMEGA-304: Advanced JavaScript Programming

OMEGA-306: Developing React Applications

OMEGA-308: Developing RIA using Spring Boot and Angular 2

OMEGA-310: Client-side and Server-side JavaScript Programming

OMEGA-312: jQuery and jQuery UI

OMEGA-314: Building Scalable Web Applications using Node.js, MongoDB, and JS

OMEGA-316: Developing Rich Internet Applications (RIA) using HTML5, CSS3 and JS

OMEGA-318: Front-End Development and MongoDB

OMEGA-398: Developing High Scalable Web Applications

MicroService Trainings

OMEGA-350: Implementing MicroService Architecture

OMEGA-352: Developing Spring Boot Applications

Spring Trainings

OMEGA-370: Spring Framework

OMEGA-372: Spring Core 4

OMEGA-374: Spring MVC

OMEGA-375: Developing Enterprise Applications using Spring Framework

OMEGA-378: Spring Data with Hibernate 5 (JPA 2.1)

OMEGA-379: Spring Security 4

MySQL Trainings

OMEGA-600: MySQL 5.7 Workshop

OMEGA-605: MySQL HA Workshop

OMEGA-608: MySQL Cluster 7.5 Workshop

OMEGA-622: Apache Tomcat 8: Administration

Middleware Server Trainings

OMEGA-632: JBoss EAP 7: Administration

OMEGA-640: JMS on Weblogic 12c

OMEGA-642: RabbitMQ: Architecture and Administration

- **Oracle Java EE Trainings**

D77638GC10: Java EE 7: New Features
D77638GC10: Java EE 7: New Features
D85120GC20: Java EE 7: Front-end Web Application Development
D85116GC20: Java EE 7: Back-End Server Application Development
D76385GC30: Developing Applications with Java EE 6 on WebLogic Server 12c
D61810GC10: Java EE 6: Develop Web Components with Servlets & JSPs
D77742GC10: Java EE 6: Develop Business Components with JMS & EJBs
D77746GC10: Java EE 6: Develop Database Applications with JPA
D77738GC10: Java EE 6: Develop Web Applications with JSF
D68136GC10: Architect Enterprise Applications with Java EE
D61858GC10: Java EE 5 Patterns
D72140GC10: Java Design Patterns

- **Oracle Java SE Trainings**

D67234GC20: Java SE7 Fundamentals
D67238GC20: Java SE7 Programming
D80895GC10: Java SE 8 New Features
D83527GC10: Java SE8 Fundamentals
D84838GC10: Java SE8 Programming
D67230GC10: Java SE 7: Develop Rich Client Applications
D69518GC10: Java Performance Tuning and Optimization
D82344GC10: Java Performance Tuning with Mission Control & Flight Recorder
D61808GC20: Object-Oriented Analysis and Design using UML

- **Oracle SOA, BPM, WebLogic Server, Coherence Trainings**

D58786GC20: Oracle SOA Suite 11g: Essential Concepts
D84365GC10: Oracle SOA Suite 12c: Essential Concepts
D53946GC30: Oracle SOA Suite 11g: Build Composite Applications
D64648GC10: Oracle SOA Suite 11g: Administration
D66123GC20: Oracle BPM 11g Modeling
D83823GC30: Oracle BPM 11g: Implement the Process Model
D58682GC20: Oracle WebLogic Server 11g: Administration Essentials
D58686GC20: Oracle WebLogic Server 11g: Advanced Administration
D61523GC20: Oracle WebLogic Server 11g: Diagnostics and Troubleshooting
D64647GC20: Oracle WebLogic Server 11g: Monitor and Tune Performance
D80149GC10: Oracle WebLogic Server 12c: Administration I
D80153GC10: Oracle WebLogic Server 12c: Administration II
D83175GC10: Oracle WebLogic Server 12c: Troubleshooting Workshop
D83171GC10: Oracle WebLogic Server 12c: Performance Tuning Workshop
D80844GC10: Oracle WebLogic Server 12c: JMS Administration
D69807GC10: Oracle Coherence 3.6: Administer and Troubleshoot Clusters
D66791GC10: Oracle Coherence 3.6: Share and Manage Data In Clusters
D80864GC10: Oracle Coherence 12c: New Features
D81541GC10: Oracle Coherence 12c: Share and Manage Data in Clusters
D83890GC10: Oracle Coherence 12c: Administer and Troubleshoot Clusters

- **Oracle Enterprise Linux Trainings**

D84498GC10: Oracle Linux Advanced Administration
D79440GC10: Oracle Linux Advanced System Administration
D74508GC20: Oracle Linux System Administration

- **Red Hat Trainings**

RH-033 Red Hat Linux Essentials
RH-133 Red Hat Linux System Administration
RH-253 RH Linux Networking and Security Admin

- **Oracle MySQL Trainings**

D61918GC30: MySQL for Beginners
D61830GC30: MySQL for Developers
D61762GC30: MySQL for Database Administrators
D61820GC20: MySQL Performance Tuning
D62018GC20: MySQL Cluster
D62046GC10: MySQL Advanced Stored Procedure
D76152GC10: MySQL Developer Techniques with Advanced Stored Procedures



TÜBİTAK BİLGEM
January 2017 – to date
Consultant, Software Architect

Working as a consultant in TAAAS (Test Automation As A Service) project. I guide the team in the following technologies: Core Spring, Spring Boot, Spring Data, Spring REST, Spring Security, AngularJS.



TÜBİTAK BİLGEM
March 2017 – to date
Consultant, Software Architect

Working as a consultant in the project Afet Yönetim ve Karar Destek Sistemi Projesi (AYDES) UZAL-KİTLE. I guide the team in the following technologies: Core Spring, Spring Boot, Spring Data, Spring REST, Spring Security, AngularJS.



TÜBİTAK BİLGEM
April 2016 – to date
Consultant, Software Architect

Working as a consultant in the following projects

- UAAS (Usability As A Service)
- PTAAS (Performance Testing As A Service)
- Safir DEPO

Helping the development team members to understand the following technologies and use them professionally following the best practices: Core Spring, Spring Boot, Spring Data, Spring REST, Spring Security, AngularJS, MySQL, RabbitMQ



TÜBİTAK BİLGEM
April 2014 – March 2015
Consultant, Software Architect

Working as a software architect in VİSKON Crowd Sourcing Platform developed for AFAD (Disaster and Emergency Management Authority of Turkey). Developing two modules: Administration Module and Client Module. Administration Module is a classical Java EE 6 Web Centric project based on JSF 2, Prime Faces 5, CDI, Local EJB, Hibernate 4 with JPA 2. Client Module is basically an HTML 5 Web Application using KnockoutJS on client side and Java EE 6 for Restful Web Service on server side. Developed JSF 2 Components for Interactive Web Map and Map Drawing using LeafletJS.



Ahmet Yesevi University, Distance Education
2004 - 2014
Visiting Lecturer

Developed the content of "Web Services" course and deliver the training remotely using Adobe Connect.



Ericsson
July 2013 - February 2014
Consultant

Reviewed the architecture of Ericsson's Telco CRM Application
Consultancy and training in MySQL Cluster and JBoss EAP 6 Clustering



Istanbul Technical University, Computer Engineering Department
2008-2012
Visiting Lecturer

Courses Offered:

- Internet Programming
- Object Oriented Analysis and Design
- Web Application Services



Siemens
June 2010 – August 2010
Consultant and Trainer

Training and Consultancy in the following areas:
Spring and Hibernate, JSF, jQuery, Tomcat 6 Administration



Istanbul Technical University, Computer Engineering Department
2004-2008
Lecturer

Courses Offered:

- Artificial Intelligence
- Software Engineering
- Object Oriented Programming using C++
- Introduction to Scientific and Engineering Computing



Istanbul Technical University, Computer Engineering Department
1995-2003
Research and Teaching Assistant

Courses Offered:

- Object Oriented Programming using C++
- Introduction to Scientific and Engineering Computing

Education

Istanbul Technical University, Computer Engineering Department
Ph.D.
2007

Istanbul Technical University, Control and Computer Engineering Department
M.Sc.
1997

Istanbul Technical University, Control and Computer Engineering Department
B.Sc.
1995

Publications

International Books

1. F.Kahraman, **B.Kurt**, M.Gokmen, "**Robust Face Alignment for Illumination and Pose Invariant Face Recognition**," Chapter 13, Face Recognition, ISBN 978-953-307-060-5, INTECH, April 2010.
2. **B.Kurt**, Zehra Cataltepe, "**Platforms for Enterprise Servers**," Chapter 9, Handbook of Enterprise Integration, pp.209-223, Auerbach Publications, 2010.
3. **B.Kurt**, H.T.Demiral, "**Adaptive -Space Representation of Images and Edges**," Recent Advances in Signal Processing and Communications, pp. 53-59, Part I: Signal Processing, World Scientific and Engineering Society Press, 1999.

National Books

1. **B.Kurt**, "*XML Web Servisleri*," Ahmet Yesevi Üniversitesi, 2006
2. **B.Kurt** (Editor), "*AutoCAD Rel.13*" (Translation), Sistem Publishing, Istanbul, 1998.
3. **B.Kurt** (Editor), "*C/C++*" (Translation), Sistem Publishing, Istanbul, 1998.

Journal Papers

1. F.Kahraman, **B.Kurt**, M.Gökmen, "*Active Appearance Based Robust Face Alignment*," itüdergisi/d, vol. 10, no. 3, pp. 49–60, 2011.
2. A.Çapar, **B.Kurt**, M.Gökmen, "*Gradient Based Shape Descriptors*," Machine Vision and Applications, vol. 20, no. 6, pp. 365–378, 2009.
3. **B.Kurt**, M.Gökmen, "*İki Boyutlu Genelleştirilmiş Ayırt Saptayıcı*," itüdergisi/d, vol. 8, no. 5, pp. 3–10, 2009.
4. F.Kahraman, B.Evrin Demiröz, **B.Kurt**, M.Gökmen, "*Bakış Açısından Bağımsız Gürbüz Plaka Tanıma Sistemi*," Endüstri ve Otomasyon, sayı 106, sayfa 28-32, Ocak 2006.
5. **B.Kurt**, M.Gökmen, "*Image Compression Based On Centipede Model*," ARI, Technical Bulletin of ITU, Vol.54, No.3, pp. 35-43, January, 2005.

International Conferences

1. **B.Kurt**, M.Gökmen, "*Goal Oriented Edge Detection*," International Conference on Computer and Information Sciences (ISCIS'2008), İstanbul, Turkey, 2008.
2. F.Kahraman, **B.Kurt**, M.Gökmen, "*Robust Face Alignment for Illumination and Pose Invariant Face Recognition*," IEEE Conf. on Computer Vision and Pattern Recognition (CVPR 2007), IEEE Computer Society Workshop on Biometrics, Minneapolis, Minnesota, USA, 2007.
3. **B.Kurt**, A. Şima Etaner-Uyar, Tuğba Akbal, Nildem Demir, Alp Emre Kanlikilicer, Merve Can Kuş, and Fatma Hülya Ulu, "*Active Appearance Model-based Facial Composite Generation with Interactive Nature-Inspired Heuristics*," Lecture Notes in Computer Science, International Workshop on Multimedia Content Representation, Classification and Security, pp. 183-190, 2006.
4. A.Çapar, **B.Kurt**, M.Gökmen, "*Affine-Invariant Gradient Based Shape Descriptor*," Lecture Notes in Computer Science, International Workshop on Multimedia Content Representation, Classification and Security, pp. 514-521, 2006.
5. F.Kahraman, **B.Kurt**, M.Gökmen, "*License Plate Character Segmentation Based on the Gabor Transform and Vector Quantization*," Lecture Notes in Computer Science, 18th Int. Conf. on Computer and Information Sciences-ISCIS'2003, pp.381-388, November 3-5, 2003.
6. **B.Kurt**, M.Gökmen, "*Color and Shaped Based Indexing Using Scale-Space Representations*," Proceedings of the International Symposium on Artificial Intelligence and Neural Networks, pp.30, 2-4 July 2003.
7. **B.Kurt**, "*Direction Selective Smoothing of Color Images in -Space*," Proceedings of 15th International Conference on Computer and Information Sciences, ISCIS'2000, pp. 202-210, Istanbul, Turkey, 11-13 October 2000.
8. **B.Kurt**, "*Automatic Indexing of Broadcast News*," Proceedings of 15th International Conference on Computer and Information Sciences, ISCIS'2000, pp. 552-560, Istanbul, Turkey, 11-13 October 2000.
9. **B.Kurt**, H.T.Demiral, "*Adaptive -Space Representation of Images and Edges*," Proceedings of 3rd International Conference on Communications, IMACS/IEEE CSCC'99, pp. 3011-3017, Athens, Greece, 4-8 July 1999.
10. **B.Kurt**, M.Gökmen, "*Two Dimensional Generalized Edge Detector*," IEEE Proceedings of International Conference on Image Analysis and Processing, ICIAP'99, pp. 148-153, Venice, Italy, September 1999.

11. **B.Kurt**, M.Gökmen, A.K.Jain, "*Image Compression Based On Centipede Model*," Lecture Notes in Computer Science, International Conference on Image Analysis and Processing, ICIAP'97, Vol. I, pp. 303-310, Florence, Italy, September 1997.

National Conferences

1. F. Kahraman, C. Hüröglu, M. Imamoğlu, B Y. Özcan, M. I. Kalkan, M. A. Hocaoğlu, E. Öztürk, B. Kurt, "Enterprise crowdsourcing platform for geospatial image analysis," *2015 23rd Signal Processing and Communications Applications Conference (SIU)*, 2015, pp. 1813-1816.
2. **B. Kurt**, M.Gökmen, "*Amaca Yönelik Ayırt Saptayıcı*," 16th Conference on Signal Processing and Its Applications, SIU'2008.
3. F.Kahraman, B.E.Demiröz, **B. Kurt**, M.Gökmen, "*İlgin Değişimsiz Şekil Betimleyiciler*," 15th Conference on Signal Processing and Its Applications, SIU'2007.
4. F.Kahraman, **B.Kurt**, M.Gökmen, "*Three-Band Modeling Using Prominent Edges for Face Alignment*," 14th IEEE Conference on Signal Processing and Its Applications, IEEE SIU'2006, 2006.
5. F.Kahraman, **B. Kurt**, M.Gökmen, "*AAM Based Face Recognition*," 13th Conference on Signal Processing and Its Applications, SIU'2005.
6. F.Kahraman, B.E.Demiröz, **B. Kurt**, M.Gökmen, "*View Independent Robust License Plate Recognition System*," 13th Conference on Signal Processing and Its Applications, SIU'2005.
7. **B. Kurt**, M.Gökmen, "*Ölçek Uzayı Gösterimine Dayalı Renk ve Şekil Tabanlı İndeksler*," Proceedings of 11th Conference on Signal Processing and Its Applications, SIU'2003, pp.805-808, Istanbul, 2003.
8. **B. Kurt**, M.Gökmen, "*İmge ve Videoların İndeksleme Amaçlı Ölçek-uzayı Analizi*," Proceedings of 10th Conference on Signal Processing and Its Applications, SIU'2002, pp.335-340, Pamukkale, 2002.
9. **B.Kurt**, M.Gökmen, "*Video Dizilerinden Reklam Saptama ve İndeksleme*," Proceedings of 9th Conference on Signal Processing and Its Applications, SIU'2001, pp.735-740, Gazi Magusa, KKTC, 25-27 Nisan 2001.
10. **B.Kurt**, M.Gökmen, "*Yinelemeli ve Uyarlanı Ayırt Saptayıcı Süzgeçleri*," Proceedings of 9th Conference on Signal Processing and Its Applications, SIU'2001, pp.410-415, Gazi Magusa, KKTC, 25-27 Nisan 2001.
11. **B.Kurt**, H.T.Demiral, "*Sahne Geçişlerinin Geometri Tabanlı Olarak Saptanması*," Proceedings of 8th IEEE Conference on Signal Processing and Its Applications, IEEE SIU'2000, 2000.
12. **B.Kurt**, MM, "*İletim Katsayısının Koloni Sistemine Dayalı Olarak Öğrenilmesi*," Proceedings of 8th IEEE Conference on Signal Processing and Its Applications, IEEE SIU'2000, 2000.
13. **B.Kurt**, M.Gökmen, "*İki Boyutlu Genelleştirilmiş Ayırt Saptayıcı*," Proceedings of 7th IEEE Conference on Signal Processing and Its Applications, IEEE SIU'99, pp. 481-486, Ankara Turkey, 1999.
14. **B.Kurt**, MM, "*Yönel Anisotropik Difüzyon ile Görüntü İyileştirme*," Proceedings of 6th Conference on Signal Processing and Its Applications, SIU'98, Vol. I, pp. 137-142, 1998.
15. **B.Kurt**, H.T.Demiral, "*Çevrite Dayalı Etkin Bir Görüntü Gösterimi*," Proceedings of 6th Conference on Signal Processing and Its Applications, SIU'98, Vol. I, pp. 259-264, 1998.
16. **B.Kurt**, M.Gökmen, "*Kırkayak Modeline Dayalı Görüntü Sıkıştırma*," Proceedings of 5th Conference on Signal Processing and Its Applications, SIU'97, Vol. I, pp. 303-308, Kuşadası, May 1997.