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Dr. Binnur Kurt

Professional Experience



2018-to date
Founder & CEO

I am the Founder and CEO of **DEEPCLOUDLABS**. **DEEPCLOUDLABS** is an innovation company with Research and Development teams that focus on all aspects of the following topics

- Cloud Computing
- Big Data
- Artificial Intelligence and Machine Learning
- Image and Video Analytics
- Blockchain and crypto-currency
- Algorithmic and High-Frequency Trading
- Project Management and Software Process Enhancement

DEEPCLOUDLABS Services provide access to the talent and systems you need to innovate faster and deliver real business value. We offer a full range of professional services:

- **CONSULTING:** **DEEPCLOUDLABS** provides advice, expertise, and consulting services for Blockchain Technology, AI-Machine Learning and Software Development.
- **CORPORATE TRAINING:** **DEEPCLOUDLABS** provides hands-on real world courses/trainings. We offer in-house and external corporate training and teaching seminars, workshops and talks.
- **RESEARCH & DEVELOPMENT:** **DEEPCLOUDLABS** can help you study new concepts around Data Analytics, AI-Machine Learning and Blockchain Technologies.
- **SOFTWARE DEVELOPMENT:** Agile implementation of advanced Big Data analytic applications. Increase accuracy and productivity using cognitive technology to process data.
- **OUTSOURCED DEVELOPERS:** Hire our talented developers for a certain time-period.

Our engineering team is made up of great individuals with Ph.D. and M.Sc. degrees and engineering experience, capable of making innovations and transforming these innovations into products.

DEEPCLOUDLABS offers instructor-led, technical classroom trainings for Information Technology industry. This is the most effective way to learn and improve technical skills. Our proven training solution helps corporates enhancing organizational capabilities through empowering their employees with technical skills. Our fully configured lab environment provides students hands-on access to applications taught in our classrooms, enabling them to learn on their own schedules. Our mentoring service help students to learn at their own pace with our highly skilled instructors in their workplace.

TRAININGS OFFERED:

C/C++ TRAININGS

- DCL-100:** C Programming Language
- DCL-112:** Object Oriented Programming using C++14
- DCL-113:** Functional Programming in C++17
- DCL-114:** New Features in C++11/14/17/20
- DCL-115:** Multi-Threaded Programming in C++14
- DCL-116:** Network Programming using Boost.Asio
- DCL-118:** Advanced C++ Programming
- DCL-120:** OOP Principles and Design Patterns (in C++)
- DCL-140:** Linux Programming
- DCL-185:** OpenCL Programming

JAVA SE TRAININGS

- DCL-200:** Java Performance Tuning and Optimization
- DCL-202:** Java SE 8 Programming
- DCL-204:** Java SE 9 Programming
- DCL-205:** Preparation for OCA/OCP Java SE 8 Programmer Exams
- DCL-210:** Advanced Java Programming
- DCL-215:** Test Driven Development with JUnit 5
- DCL-220:** OOP Principles and Design Patterns (in Java)
- DCL-222:** Design Patterns (in Java) and UML 2
- DCL-230:** Object Oriented Analysis and Design using UML 2
- DCL-235:** Effective Java Programming
- DCL-240:** Developing GUI using Swing
- DCL-242:** Java 2D Programming
- DCL-244:** Developing Rich Client Applications using JavaFx
- DCL-252:** New features in Java SE 8-12
- DCL-255:** New Features of Java Platforms (Java SE 8-12; Java EE 8)

MICROSERVICE TRAININGS

- DCL-350:** Implementing MicroService Architecture
- DCL-352:** Developing Spring Boot Applications
- DCL-356:** Cloud Architecture Patterns
- DCL-358:** Implementing Event-Driven MicroService Architecture using Spring Boot and Apache Kafka
- DCL-642:** RabbitMQ: Architecture and Administration

BIG DATA TRAININGS

- DCL-700:** Big Data Essentials
- DCL-702:** Big Data Analytics with Python
- DCL-704:** Practical Data Science with R
- DCL-710:** Practical Machine Learning using Python

JAVA EE TRAININGS

- DCL-326:** Core JSF2.3 with PrimeFaces 6
- DCL-340:** Hibernate 5
- DCL-342:** Java Persistence with JPA 2.2
- DCL-364:** Design Patterns and Best Practices in Java EE 8
- DCL-365:** Architect Enterprise Applications with Java EE 8
- DCL-390:** Developing Enterprise Applications on Java EE7
- DCL-392:** Developing Enterprise Applications on Java EE8
- DCL-398:** Developing High Scalable Web Applications
- DCL-422:** Developing SOA and RESTful Web Services on Java EE8

JAVASCRIPT TRAININGS

- DCL-302:** Node.js Programming
- DCL-304:** Advanced JavaScript Programming
- DCL-305:** Developing Angular 6 Applications
- DCL-306:** Developing React Applications
- DCL-308:** Developing RIA using Spring Boot and Angular 6
- DCL-310:** Client-side and Server-side JavaScript Programming
- DCL-312:** jQuery and jQuery UI
- DCL-314:** Building Scalable Web Applications using Node.js, MongoDB, and JS
- DCL-316:** Developing Rich Internet Applications (RIA) using HTML5, CSS3 and JS
- DCL-318:** Developing Vue.js 2 Applications

SPRING TRAININGS

- DCL-370:** Spring Framework 5
- DCL-372:** Spring Core 5
- DCL-374:** Spring Boot 2
- DCL-375:** Developing Enterprise Applications using Spring Framework 5
- DCL-376:** Spring Data with Hibernate 5
- DCL-378:** Spring Security 5

MYSQL TRAININGS

- DCL-600:** MySQL 5.7 Workshop
- DCL-605:** MySQL HA Workshop
- DCL-608:** MySQL Cluster 7.5 Workshop

APPLICATION SERVER TRAININGS

- DCL-632:** JBoss EAP 7: Administration
- DCL-640:** JMS on Weblogic 12c

PROGRAMMING LANGUAGE TRAININGS

- DCL-160:** Python Programming
- DCL-162:** Advanced Python Programming
- DCL-164:** Scala Programming
- DCL-166:** R Programming
- DCL-168:** Kotlin Programming

RECENT PROJECTS:



DEEPCLOUDLABS

February 2018 – to date

PROJECT MANAGER, SOFTWARE ARCHITECT

Developing Exchange and Algorithmic Trading Platform for CryptoCurrency Markets as Cloud Native Application using Java SE 8, Spring Cloud, Apache Kafka, MongoDB, TensorFlow.



TÜBİTAK BİLGEM

January 2019 – to date

CONSULTANT, SOFTWARE ARCHITECT

Gümrük Tarama Ağı Bulut Depolama Ve Görüntü Analiz Sistemi



TÜBİTAK BİLGEM
January 2017 – 2018
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, and Angular.



TÜBİTAK BİLGEM
March 2017 – 2018
CONSULTANT, SOFTWARE ARCHITECT

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



TÜBİTAK BİLGEM
April 2016 – 2019
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, Angular, 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 Ayrıt 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 CCCC'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. Hüroğlu, M. Imamoğlu, B Y. Özcan, M. I. Kalkan, M. A. Hocoğlu, 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 Ayrıt 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 Uyarlanır Ayrıt 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 Ayrıt 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, "**Yönsel 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.