Serkan KABA

GSM: +31 6 162 227 98 / +90 536 445 52 27
E-mail: serkan_kaba@yahoo.com
Address: Holendrechtstraat 18-I 1078 TT
Amsterdam, Netherlands

CAREER OBJECTIVES:
Taking my knowledge and experience in computer science and software development and into expert level, sharing them with my colleagues and working in a professional environment on software engineering.

OCCUPATIONAL EXPERIENCE:
<u>October 2011- Present:</u> Team Lead/Senior Java Developer at Backbase R&D B.V.
- Working as a backend developer in R&D team for Backbase Portal. Backbase Portal product includes portal server (foundation), content services, portal manager and portal client Javascript API. Our product is a generic solution but we're mainly focusing on financial clients and our clients include Deutsche Bank, ABN AMRO. We also have clients around the globe.
- We use Scrum as a software development methodology and releasing in short sprints.
- Working in an initiative oriented, I'm involved in development of all backend components of the portal stack, mainly working with JavaEE technology stack, Spring, Hibernate REST services.
- Working in Timeline project that will allow seamless versioning, rollback and preview of previous state of portal with structure and content.
  - Leading a team of backend and frontend developers and testers acting as a Scrum master.
  - Working with product management to define project backlog.
  - Working with leads to design software architecture.
  - Working with QA to define test scenarios.
  - Implementing versioning support in CMIS content services.
- Worked in performance project focusing on identifying performance bottlenecks as well as fixing them. This includes profiling, redesigning certain parts of the software, reporting issues and providing fixes for libraries being used and documenting guidelines on how to develop more efficient software.
- Worked in In Context Editing project focusing on
  - Integrating CMIS content services and portal server
  - Server side rendering
  - Leading the maintenance of the ICE release coordinating the team of developers of several products.
- <u>September 2006- September 2011:</u> Software Specialist at ISE Settlement and Custody Bank Inc.
  - Working on interfacing with MATLAB libraries developed by Center for Computational Finance of Özyeğin University in Java using MATLAB Builder JA. The libraries are using econometrics, financial and statistical functions to estimate SPAN parameters.
  - Working on risk management system to be used for Istanbul Stock Exchange Derivatives Market and TurkDEX using CME SPAN (http://www.cme-ch.com/span/) COM API, JNI (C++), Java concurrency framework and JMS (Websphere MQ)
  - Working on new TurkDEX messaging system using FIX protocol (http://www.fixprotocol.org/) and QuickFIX/J (http://www.quickfixj.org/).
  - Working on settlement system for Turkish Derivatives Exchange (TurkDEX) using Sybase ASE as DBMS and Centura Team Developer for GUI design and development.
  - Developed a servlet framework that uses an XML file to describe and expose database stored procedures as web services.
  - Worked on development of Web services interface for TurkDEX settlement system. The development was done using JAX-RPC with Rational Application Developer and the application was deployed on Websphere Application Server. I developed a mini framework to generalize access to Sybase stored procedures via JDBC using commons-beanutils and reflection.
- <u>December 2005- June 2006:</u> Web Developer at Ege University Faculty of Economics and Administrative Sciences (Part-time)
  - Revised and maintained a web based internship portal.
- <u>November 2005- December 2005:</u> Web Developer at Ege University Career Planning Department (Part-time)
  - Maintained a career portal which was based on PHP Nuke.
- <u>August 2005- September 2005:</u> Intern at Fen Mühendislik Co. Inc.
  - Worked on an organizational workflow project developed using ASP. Net.
- <u>November 2004- June 2005:</u> Computer Technician at Ege University İzmir Atatürk School of Health (Part-time)

EDUCATIONAL BACKGROUND:

- February 2007 – February 2009: Haliç University, Graduate degree in Computer Engineering
  - GPA: 3.57/4.00
  - Thesis: Valuable Paper Identification System Using Artificial Neural Networks. I worked on pattern recognition using MATLAB image processing and artificial neural networks.
  - Took courses on image processing and pattern recognition.
- October 2002 – July 2006: Ege University, Bachelor's degree in Computer Engineering
  - GPA: 83.46 / 100
  - Thesis: Creating Maps According to the Location Information Using Geographical Information Systems And Publishing It As A Web Service For Mobile Communication Devices. I worked on providing maps with Mapxtreme interfacing it with its own Java API using the coordinates determined by built-in GPS device of mobile phones.
  - Worked on client side of an instant messaging system project. The client was written in Java and Swing and communicated with the server using its own protocol which was written by a peer.
  - Developed web based and Java/Swing based e-commerce applications as course projects.
  - Took courses on object oriented programming and object oriented design.
  - Took a course on computer graphics and worked with J2ME and OpenGL.

ADDITIONAL COURSES:

- Training on Derivatives, Financial Risk Management and Estimation of SPAN parameters – Center for Computational Finance of Özyeğin University
- FIX Protocol training (using APT FIX Simulator and VeriFIX)
- Rich Internet Application Development – Eteration
- Service Oriented Software Development – Eteration
- Object Oriented Development with Java5 – Eteration
- Pricing Derivatives and Using Derivatives in Risk Management (10-11/4/2008) – The Banks Association of Turkey
- XML for Java Programmers (17-20/12/2007) – Bilgeadam
- Derivatives and Derivatives Markets (7-9/3/2007) – The Banks Association of Turkey
- Fast Track to ASE 15 (5-8/12/2006) – Sybase Turkey

COMPUTER SKILLS:

- Productivity software: MS Office (Word, Excel, Powerpoint and Access), OpenOffice.org, Adobe Dreamweaver and Fireworks
- Operating Systems: Linux (Gentoo, SuSE and Mandrake – Former Mandriva), Windows
- Programming/Scripting languages and tools: C, C++, Java (J2SE, J2ME, J2EE, JDBC, Web Services, JMS, Concurrency, Hibernate, Junit & Mockito, java-gnome, JNI on Linux and Windows, QuickFIX/J, Spring Core, Spring MVC and Spring Security, OpenCMIS), SQL, Transact-SQL, MATLAB, Bash, Perl, Python, Rational Rose.
- Development environments/tools: Eclipse, JProfiler, Rational Application Developer, Adobe Flex Builder, IntelliJ, Centura Team Developer, Anjuta.
- Programming Platforms/Servers: WebSphere AS, Apache Tomcat, JBoss, Jetty, Mapxtreme Java Edition
- Messaging Systems/Protocols: Websphere MQ, SOAP, REST, FIX
- Web Design: HTML, JavaScript, PHP, JSP, AJAX
- Database Management Systems: Sybase ASE 12/15, mySQL, MS Access, MS SQL Server, H2, DB2
- Version Control Systems: Subversion, CVS, Bazaar.
- Build Systems: Ant, Maven, Make
- Issue Tracking & Project Management: Jira, Bugzilla
- Good understanding of object oriented programming and design.

OPEN SOURCE CONTRIBUTIONS:

- Developer in Zemberek project (http://zemberek.googlecode.com)
  - Ported Zemberek-Server (Turkish spellchecking server that uses Zemberek library) to Dbus from its own socket protocol.
  - Ported Enchant Zemberek plug-in to zemberek-dbus.
  - Contributing to Zemberek library.
  - Contributing to Mozzemberek, Firefox Turkish spellcheking plug-in that uses Zemberek-Server via its socket protocol.
- Gentoo contributor since April 2007 and developer since May 2008.
  - Packaging Java applications and libraries.
  - Improving and contributing to general Java packaging infrastructure and tools.
  - Packaging desktop applications and dependent libraries.
  - Google Summer of Code 2011 mentor for projects "Gentoo/Java IDE Integration" and "Apache Maven Integration for Gentoo Ebuilds"
- Developing GMSO2, rewrite of GMSO using Java, JNI and Java-Gnome.
- Developed JKota (http://jkota.googlecode.com), a Java application for downloading Internet usage data from Turkish ISP's.
- Developer in Java-GNOME, Java bindings for GTK+ and GNOME libraries.
- Developed GMSO, a program written in C using GTK+ and libinklevel that reports inklevels of printers supported by the library.
- Developed pyinklevel, Python binding for libinklevel.
- Contributed to various projects with patches.

CONFERENCE PRESENTATIONS:

- "Designing a system to analyze portfolio risks and to determine optimum margin requirements", RACR-2011-Texas A&M International University, May 23, 2011 (English)
- "Zemberek Project", Yıldız Technical University, April 18, 2009 (Turkish)
- "Open Source Software Development", Yeditepe University, April 14, 2009 (Turkish)

PUBLICATIONS:

- Serkan Kaba and Murat ACAR. Article:Designing a System to Analyze Portfolio Risks and to Determine Optimum Margin Requirements. International Journal of Computer Applications 32(7):34-40, October 2011. Published by Foundation of Computer Science, New York, USA

SUCCESSES:

- Agile Foundation Certificate 46/60
- Top %5 place in 2002 CHEM13 News Research Assistantship Examination
- Certificate of Participation to 2002 American Invitational Mathematics Examination
- Certificate of Distinction in 2002 American Mathematics Contest
- Silver Certificate in UK Senior Mathematical Challenge 2001
- Gold Certificate in UK Senior Mathematical Challenge 2000
- Certificate of Distinction in 1999 Pascal Mathematics Contest

LANGUAGES:

- English (Fluent)
  - 95/100 (A) in KPDS
  - 3/5 in AP International English Language Examination
- Dutch (Beginner)
- Turkish (Native)

HOBBIES:

Rock music, watching movies and soccer matches, reading technology blogs and news.

REFERENCES: Available upon request.