

Erdinç Yilmazel

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Profile

Software architect with hands-on experience on implementation and maintenance of scalable, secure, Internet and Intranet applications with high availability and performance. Capable of working in distributed and co-located teams and an effective performer as an individual. Expertise in object oriented design and development in both Java and PHP.

Key Skills

Strong in:

Java, PHP, Scalability, MySQL, EJB3, Lucene, JPA (Hibernate, Toplink), Struts2, Domain Specific Languages, Object-Oriented Design, Enterprise Design Patterns, Google App Engine, Amazon EC2, S3, SQS, AJAX, JQuery, Prototype, Javascript, CSS, HTML

Experienced in:

- Spring Framework, Google Guice, JAXB, Jersey, Web Services (JAXRS, JAXWS, Axis), Solr, JDBC, JMS, RMI, Swing, Concurrency, JSP, Servlets, Freemarker, StringTemplate, Antlr, JFlex, CUP
- MySQL (Replication, Partitioning, Clustering), Oracle 10g, MSSQL Server, Cassandra, CouchDB, HSQLDB, H2, Derby
- Memcached, Ehcache, Jboss Cache
- Linux, Solaris, Glassfish, Tomcat, Jetty, Jboss, Apache, Nginx, Lighttpd, OpenVZ, VMWare
- Maven, Ant, Subversion, CVS, Hudson, TeamCity, Jira, Rally, Confluence, Artifactory
- IntelliJ Idea, Eclipse, Netbeans, Zend Studio, Vi
- Flex3, Action Script 3, GWT, Vaadin
- Django, Python, Groovy, Play framework
- JUnit, HttpUnit, DbUnit, JMeter
- Agile Planning and Development, Test Driven Development
- Netscaler, Juniper DX, Netapp

Professional Experience

Self Employed Software Developer, Cambridge UK. September 2008 - December 2009

Working on a contract based job for eBay Turkey and their partners, I developed an online advertising platform similar to *Google Adwords* and *Google Adsense*. As the architect of the software systems and the leader of a distributed developer team I was responsible for all the phases of software development for the project, from analysis, design, implementation to testing and releasing. A context sensitive and auction based advertising platform running on *Amazon EC2* cloud computing environment was built for the company. The systems core services were implemented as *Restful Web Services* in

Java using the *Jersey* (JSR 311) framework. Other technologies used in this project includes *Amazon SQS*, *Amazon S3*, *Google Appengine*, custom built frameworks for database transactions and code generation, *Glassfish* application server and *MySQL* database. The front-end of the system was implemented using *Django* framework in *Python* and the back-office was written in *Java* using *Vaadin* rich Internet application framework. Because of the very high volume traffic that was expected and the high throughput that was needed, the system was designed with scalability in mind. Sharding, partitioning, replication were some of the techniques that were used to scale MySQL data amongst several servers in the cloud.

Product Manager, MagNET Bilisim Hizmetleri; Istanbul -- January 2006 - September 2008

MagNET is one of the biggest Internet companies of Turkey, owning some of the most popular websites of the country. As the lead developer and manager of the software engineering team that was group of 8 people; I was responsible for design, development and maintenance of all the websites that the company was running. The websites developed and maintained during this period includes **istanbul.net** which is the largest online dating website of Turkey having more than 3.5 million registered users and about £2.5 million annual revenue; **uzmantv.com** (Alexa rank 122 in Turkey) which is a popular video education portal/knowledge-base and **timsah.com** (Alexa rank 117 in Turkey) which is a YouTube clone that is local to Turkey. With a total traffic of nearly 1 gigabit/s, these websites make more than 6 million page views a day and run on more than 50 servers. I had the chance to work on a very demanding and rapidly changing environment during this period, designing and developing systems to solve scalability, usability, security, backup and recovery problems.

The key technologies that I experienced during this period includes EJB 3, JPA, JMX, JMS, Struts2, PHP, MySQL (partitioning, replication, clustering), Oracle 10g, Memcached, Credit card processing, Mobile payment processing, Web services, Virtualization, Linux server environments, Load balancers like NetScaler and Juniper DX, Web servers like Apache, Lighttpd, Nginx.

I was also responsible for the processes and tools that were used in building software within the company and we tried to use agile best practices such as pair programming, test driven development, continuous integration, issue tracking and version control.

Developer, eBay Turkey (gittigidiyor.com); Istanbul -- April 2005 - December 2005

The company hired me in early 2005 for their early startup project to develop **istanbul.net**, **izmir.net** and **ankara.net** that are dating websites local to 3 Turkish cities. As the only developer working on the project I developed the websites using PHP 5 and MySQL and the object relational mapping framework that I developed named MyObjects. I also made all the front-end coding in XHTML, CSS and AJAX. The project involved developing credit card processing systems, integration with legacy accounting software and integration with a major Turkish bank.

Education

Marmara University, Istanbul, Turkey - BSc. Computer Science Engineering 2005

Open Source Projects

I am the founder of several open source projects:

- *Cambridge Template Engine*: A template engine for Java that may be used as an alternative to FreeMarker, Velocity and JSP. (<http://cambridge.googlecode.com>)
- *AEJ Tools*: A server side restful interface for Google AppEngine datastore and client side tools to access these services remotely. (<http://aejtools.googlecode.com>)
- *JdbcHelper*: A lightweight library that helps performing common Jdbc tasks. (<http://jdbc-helper.googlecode.com>)
- *MyObjects*: (Not in active development) Object relational mapping framework for Php5 and MySQL. (<http://myobjects.sourceforge.net>)

Training and Certifications

- *Zend Certified Engineer - February 2006*: Php5 Certification from Zend Technologies Ltd. (ClientCandidateId: ZEND003158)
- Oracle 10g DBA Training - 2007
- Oracle 10g PL/SQL Training - 2007
- JavaOne Java University Training (2007/2008)

Referrals

- Ersan Özer; Founder of MagNET Bilisim Hizmetleri, Istanbul Turkey: ersan@istanbul.net
- Serkan Borançılı; Founder of Gittigidiyor.com (eBay Turkey), Istanbul Turkey: serkan.borancili@gittigidiyor.com
- Burak Divanlioğlu; Founder of Gittigidiyor.com (eBay Turkey), Istanbul Turkey: burak.divanlioglu@gittigidiyor.com
- Faruk Eskioğlu; Founder of acikgazete.com, London UK: faruk@acikgazete.com
- Mustafa Öztoran; Former colleague, London UK: mustafaoztoran@gmail.com
- Volkan Çınar; Former colleague, Istanbul Turkey: volkan.cinar@istanbul.net