

## Bulut F. Ersavas

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### WORK EXPERIENCE

**Kenet, Inc.**, Reading, MA

September 2002 – Present

#### Software Engineer, CAD/EDA

- Provided a smooth design and operating environment by developing and supporting complex Computer Aided Design (CAD) software on Linux and Solaris environments. Used Java, C++, and Lisp-based Skill scripts for development and customization
- Led physical design efforts and completed more than 20 tapeouts of mixed signal chips in three years
- Saved a critical week or more before each tapeout by automating final physical verification tasks using Perl scripts
- Developed boot loader and I<sup>2</sup>C communication interface for embedded 8051 processor using C
- Developed a clock tree generator with Verilog parser using C++. The program has been successfully used to generate clock tree for a real-life microprocessor
- Developed an analog layout construction program (using C++) to generate layouts for complex physical devices. The program has been used to generate CCD structures forming the core of Kenet's Analog to Digital Converters

**MidnightTrader, Inc.**, Medford, MA

August 2002 – October 2002

#### Consultant & Software Engineer

- Developed a real-time statistical analysis system receiving partial NASDAQ orders through TCP/IP sockets, running analytical calculations with a multi-threaded C++ program and storing results in MySQL database. Designed the overall architecture and successfully implemented the early access release in less than two months
- Setup and administered Red Hat Linux server running MySQL, Tomcat Application Server and the custom multi-threaded application

**IBM**, Lowell, MA

February 2000 – August 2002

#### CAD & Systems Engineer

- Developed web-based document storage, and electronic signature system with Java (JSPs, servlets) and Perl (CGI) connecting to IBM DB2 database using JDBC and Perl DBI
- Improved the efficiency of team of six CAD support engineers by more than 15% by developing a web-based automated user support tool through which designers and CAD engineers interacted and built a knowledge database
- Led the development of web messaging system, which was implemented with Java JSPs and servlets running on Tomcat Application Server
- Developed Lotus Domino Applications such as department inventory and design/layout checklists
- Setup and administered internal IBM DB2 and Lotus Domino Database Servers
- Supported UNIX (AIX, Red Hat Linux) software and hardware

**Sun Microsystems / Gantek**, Istanbul, Turkey

April 1999 - February 2000

#### Pre-Sales Engineer

- Presented as a sales team member to customers including high level executives on a daily basis
- Provided pre-sales technical support on Sun products for customers and internal sales consultants
- Enhanced the Lotus Domino application developed for storing customer and order information

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### EDUCATION

**M.S. in Electrical Engineering**, Northeastern University, Boston, MA, USA, 2003

- Major: Computer Engineering, GPA: 3.75/4.00

**B.S. in Electrical & Electronics Engineering**, Middle East Technical University, Ankara, Turkey, 1999

- Concentration: Computer Engineering, GPA: 3.09/4.00

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### PERSONAL

- As the chairman of board, led IEEE METU Student Branch to receive the most prestigious student branch award: IEEE Outstanding Student Branch Award in 1998
  - Author for TeknoTurk.org, which is an online Turkish technology magazine, since March 2005
  - Licensed ski referee of Turkish Ski Federation since 1998
  - Performer for Collage Dance Ensemble, a contemporary folk dance company. (2001-2005)
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