Curriculum Vitae

Personal information

First name / Surname	**Selçuk Cihan**
E-mail	selcukcihan@gmail.com
Nationality	Turkish
Online profiles	linkedin.com/in/selcukcihan, github.com/selcukcihan, www.selcukcihan.com, stackoverflow, android

Education

Dates / GPA	01/09/2003 - 01/07/2008 (3.57 / 4)
Title of qualification	BS. in Computer Engineering
Research interests	Wireless networks and computer vision
Organisation	Boğaziçi University
Dates / GPA	01/09/2008 - 01/10/2010 (3.80 / 4)
Title of qualification	MS. in Computer Engineering
Title of thesis	Parallel maximum flow solver for multi-core machines
Organisation	Boğaziçi University

Desired employment / Occupational field

Software engineer

Work experience

Employer	Amazon UK
Occupation or position held	Software Development Engineer
Main activities and responsibilities	The retail reconciliation ecosystem for Amazon's worldwide catalog, a massively large scale system.
Dates	05/2017 –
Employer	INTERTECH A.Ş., intertech.com.tr
Occupation or position held	Senior Software Engineer
Main activities and responsibilities	Business process management suite, a web application on which 500K processes are served daily.
Dates	10/2013 – 05/2017
Employer	FİNTEK A.Ş., fintek.com.tr
Occupation or position held	Senior Software Engineer
Main activities and responsibilities	Developing and supporting workflow engine and document management system of Ziraat Bank.
Dates	06/2011 – 10/2013
Employer	AirTies Wireless Networks, airties.com
Occupation or position held	Embedded Software Engineer
Main activities and responsibilities	IPTV development in C, with a focus on teletext, closed captioning, subtitles and transport protocols.
Dates	09/2009 – 12/2010
Employer	CC Yazılım Ltd., www.ccyazilim.com
Occupation or position held	Software Engineer
Main activities and responsibilities	Cross-platform desktop application development in C++ (wxWidgets, SQLite). Web application development (apache + mysql + django).
Dates	01/2009 – 09/2009

Personal skills and competences

Programming languages	C, C++, C#, Java, Perl, Python, Javascript
Databases	MySQL, SQLite, MS SQL, Oracle
Other stuff	Elastic search, wxPython, Scrum

Selected work

Workflow engine	Designed and developed (C#) a workflow engine, workflow designer and administration tools. 100K instances flow daily through the engine which is a .Net application with Oracle 10G used for persistence services. Workflow engine is designed to have constructor injection (dependency injection pattern) using Unity.
Ziraat Bank Operation Center	Developed (C#) Operation Center application of Ziraat Bank, which is a windows forms app.
Online backup	Designed and implemented a cross-platform desktop client and corresponding server. Client is implemented in C++ utilizing wxWidgets GUI toolkit. Client database is SQLite. Server is implemented in Java (J2SE). An application level protocol is implemented for client-server communication, secured via SSL (openssl). Stored files are encrypted (AES).
Online backup web portal	Designed (visual design excluded) and implemented a web portal for serving online backup users. Users can download / browse backed up files through the portal. MySQL, apache web server and django framework are utilized.
Business Process Management Suite	Developed and maintained (C#, MSSQL) a workflow engine, workflow designer and administration tools. The engine is hosted on IIS 7, with MSSQL as the datatabse. Serves 500K instances per day.
DenizBank Workforce Management System	Designed and developed workforce management system for DenizBank operation center, using Microsoft's Solver Foundation.
IPTV	– Teletext (level 1, 1.5, 2.5, 3.5) implementation – Subtitles (DVB, MicroDVD, SRT, SAMI) implementation – Personal Video Recorder implementation – Transport Stream parser implementation
Mobile 3D talking head	Ported Xface talking head library to mobile platform (J2ME). Uses OpenglES and can render a face composed of 2K polygons with a frame rate of 25 FPS.
Instant messaging system	Designed and implemented an application layer protocol together with the instant messaging application. Implemented in c++. Uses wxWidgets and Berkeley sockets.

References

First name / Surname	Erdem Kurul
About	Former Microsoft employee, UCSD alum. linkedin.com/in/erdemk
E-mail	erdemkurul@gmail.com
Relation	Manager during my time at Intertech and Ziraat Teknoloji