Curriculum Vitae

Personal information

First name / Surname	**Selçuk Cihan**
Address	Üsküdar / İstanbul (Turkey)
Mobile	-
E-mail	selcukcihan@gmail.com
Online profiles	linkedin.com/in/selcukcihan, github.com/selcukcihan
Nationality	Turkish
Date of birth	24/08/1985
Gender	Male
Military service	Fulfilled
Driving licence	Class B

Education

Dates / GPA	01/09/2003 - 01/07/2008 / 3.57
Title of qualification	BS. in Computer Engineering (65th in ÖSS 2003)
Research interests	Wireless Networks and Computer Vision
Organisation	Boğaziçi University
Dates / GPA	01/09/2008 - 01/10/2010 / 3.80
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

Computer engineer

Work experience

Employer	INTERTECH A.Ş., www.intertech.com.tr
Occupation or position held	Software Specialist
Main activities and responsibilities	Developing and supporting RotaPlus (BPM software) application. (.Net, MSSQL, Javascript)
Dates	10/2013 --
Employer	FİNTEK A.Ş., www.fintek.com.tr
Occupation or position held	Software Specialist
Main activities and responsibilities	Developing and supporting core banking application of Ziraat Bank. (.Net, Oracle, WPF, WCF)
Dates	06/2011 – 10/2013
Employer	AirTies Wireless Networks, www.airties.com
Occupation or position held	Embedded software developer
Main activities and responsibilities	IPTV development (teletext, closed captioning, subtitles, rtsp, pvr, transport stream parser)
Dates	09/2009 - 12/2010

Employer	CC Yazılım Ltd., www.ccyazilim.com
Occupation or position held	Software developer
Main activities and responsibilities	Cross-platform desktop application development in C++ (wxWidgets, SQLite) Web application development (apache + mysql + django)
Dates	01/2009 - 09/2009
Employer	Teknobil Mühendislik, www.teknobil.com
Occupation or position held	Embedded software developer
Main activities and responsibilities	CAN Bus, VOIP, Satellite communications over Thuraya
Dates	01/2008 - 11/2008

Personal skills and competences

Programming languages	c, c++, c#, java, php, asp, perl, python, javascript, pl-sql
Databases	MySQL, SQLite, MS SQL, Oracle
Other stuff	Boost, STL, Django, libcurl, openssl, WPF, WCF, MVVM, MVC, Moq, Nunit, Unity (DI container), Ninject, angularjs, bootstrap, jquery, Node.js, busybox, git, svn, cvs, gcc, gdb, tfs, iis, ffmpeg

Selected Work

Workflow engine	Designed and developed (C#) a workflow engine, workflow designer and administration tools. The engine is a .Net application with Oracle 10G used for persistence services. Workflow designer is a .net 4.0 application developed using WPF (MVVM pattern is applied). Workflow engine codebase has unit tests and is designed to have constructor injection (dependency injection pattern) using Unity.
Ziraat Bank Operation Center	Took part in developing (C#) Operation Center application of Ziraat Bank.
Online backup	Designed and implemented a cross-platform desktop client and corresponding server. Client is implemented in C++. GUI uses wxWidgets. 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 kept encrypted.
Online backup web portal	Designed (visual design excluded) and implemented a web portal for serving online backup users. The portal is secured via ssl. Users can download/browse backed up files through the portal. MySQL, apache web server and django framework are utilized.
RotaPlus (Business Process Management Tool)	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 more than 10K instances per day on production.
DenizBank Workforce Management System	Designed and developed workforce management system for DenizBank operation center.
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.
Instant messaging system	Designed and implemented an application layer protocol together with the instant messaging application. Implemented in c++. Uses wxWidgets and Berkeley sockets.