

## Experiences

### Time Based

- Jun. 2014 – **Software Engineer, Infron Ltd.** [↗](#) .
- ... [○](#) microCOR Ekg Device Control Application
    - Android support. DCMTK Android fork.
  - [○](#) microCOR Lab SDK
    - C/C++ API Design. microCOR LAB Matlab Module development with MATLAB MEX. API documentation with Doxygen.
- Haz. 2014 – **Software Engineer, AntSis Electronics** [↗](#) .
- ... [○](#) Geographic Information System(GIS)
    - Development of a GIS system using PostGIS, GeoServer, OpenLayers, JQuery, and Codelgniter/PostgreSQL.
- Jun. 2013 – **Software Engineer, CTech A.S** [↗](#) .
- Jun. 2014 [○](#) Modeo, 3G Video Streaming Device
- Server control GUI with Qt/C++ [↗](#)
  - Embedded control GUI with Qt/C++.
  - Control protocol design and implementation with Google Protocol Buffer.
  - Video streaming web system with Codelgniter/MySQL.
  - Maintenance of existing iPhone codes.
  - Jenkins CI integration with Bash scripts.
- [○](#) Modeo Encoder, Video Encoder Device
- Control GUI with Qt/C++.
- [○](#) Military Modem
- SNMP agent design and implementation using Agent++ [↗](#)
  - SNMP Manager design and implementation using Qt/C++, Snmp++ and QtPropertyBrowser.
- [○](#) Deep Package Inspection
- Reporting interface with Codelgniter/RRDTool.

Dec. 2010 – **Software Engineer, Infron Ltd.** [↗](#) .

- Jun. 2013
- microCOR Ekg Device User Interface [↗](#)
    - User interface with Qt/C++.
    - Patient database with SQLite.
    - Hardware control with private binary protocol.
    - Firmware check and update.
    - Windows installer with NSIS. Mac OS X installer with Bundle system. Pardus install package with Pisi packaging system.
  - microCOR Ekg Device Android Application
    - Fork of desktop application for Android.
    - Gathering data with libusb using Android Native.
  - Infron Web Site [↗](#)
    - Wordpress installation and configuration.
    - Child theme for Wordpress.
    - An extension to check update for microCOR Ekg Device User Interface.
  - ISO 13485 Quality System
    - Alfresco installation and configuration for quality system.
    - Automation scripts for manufacturing.
  - Health Device
    - JSON based private protocol development.
    - Android REST service which using this protocol.
    - Surface mount circuit board soldering.

Jul. – Aug. **Software Engineer, SanLab** [↗](#) .

- 2012
- Forklift Simulator
    - libmodbus C wrapper to use with MODBUS supported control modules.

Feb. – Nov. **Military Software Officer, Turkish Armed Forces.**

- 2010
- School Portal
    - Development and maintenance of school portal which was written with PHP/MySQL.
    - Redesign and implement MySQL database.

Jan. 2009 – **Software Engineer, Infron Ltd.** [↗](#) .

- Oct. 2009
- microCOR Ekg Device User Interface [↗](#)
    - User interface with Qt/C++.

## Project Based

- 2012 **RFID Reader SDK**, *RFtek Ltd* [↗](#) .  
○ Development of RFID Reader SDK using Qt.  
○ .NET wrapper using Active Qt.
- 2008 **Devren Control Panel**, *Devren Ltd.* [↗](#) .  
○ Management interface with PHP.
- 2008 **The Play Barn** [↗](#) .  
○ A kindergarten web site which have control panel with CodeIgniter/MySQL. (Replaced)

## Open Source

- 2013 **Qt Creator**.  
○ A contribution to Qt Creator 2.7.0 that you can close opened files with middle click. [↗](#)
- 2013 **Qt**.  
○ Suleyman Demirel University Qt Presentation [↗](#)  
- QML presentation application [↗](#)  
○ Animated Layouts  
- QAnimatedGridLayout [↗](#) : A grid layout that can zoom into an item with animation.  
- QAnimatedMainWindowLayout [↗](#) : A main window layout that can change layout placement ratios with animation.  
- Fixed Ratio Layout [↗](#) : improve a squared layout to obey Golden Ratio [↗](#) .
- 2012 **PhoneGap**.  
○ An extension to PhoneGap which provide Bluetooth support on Android environment: phonegap-bluetooth [↗](#)
- 2012 **Pardus**.  
○ Pardus packaging IDE PiSiDo [↗](#)  
○ Packing of: [↗](#)  
- PiSiDo, Heimdall, libmodbus, ScanGearMP, Kotaci, Easycap, MP, Sysprof
- 2008 **Gentoo**.  
○ Install, usage and optimization experiences.
- Others**.  
○ QtCreator project files [↗](#) for OpenGL Super Bible book examples.  
○ BrightTray [↗](#) : Brightness tool for Linux which runs at system tray.  
○ A dictionary application with WinAPI.  
○ Testrix [↗](#) : A Tetris clone with OpenGL.  
○ Avagadro translation. [↗](#)

## Interns

- |      |                    |                                                          |
|------|--------------------|----------------------------------------------------------|
| 2009 | <b>Infron Ltd.</b> | <i>Development of microCOR Ekg Device User Interface</i> |
| 2008 | <b>THY</b>         | <i>Computer hardware intern</i>                          |
| 2003 | <b>TOFAS</b>       | <i>Computer hardware intern</i>                          |
| 2003 | <b>Koc Sistem</b>  | <i>Computer hardware intern</i>                          |

## School Projects

2009	<b>Medaq : Digital Signal Acquisition GUI with Qt/C++.</b>	<i>Final Project</i> <a href="#">↗</a>
2009	<b>Sine recognition with Matlab.</b>	<i>Artificial Neural Network</i> <a href="#">↗</a>
2009	<b>Hodgkin and Huxley Model GUI with Matlab</b> <a href="#">↗</a>	
2009	<b>String search analysis with dynamic programming</b>	<i>Algorithm Analysis</i> <a href="#">↗</a>
2009	<b>Recursive mutiplication of big integers</b>	<i>Algorithm Analysis</i>
2008	<b>A rental web site with PHP/MS-SQL</b>	<i>Web Programming</i>
2008	<b>A RISC CPU design</b>	<i>Computer Architecture</i>
2007	<b>Dynamic sized array</b>	<i>Programming Languages</i> <a href="#">↗</a>

## Educations

2004–2009	<b>Computer Engineering</b>	<i>2,8/4, Istanbul University</i> <a href="#">↗</a>
2001–2003	<b>Computer Hardware</b>	<i>3,4/4, Uludağ Üniversitesi</i> <a href="#">↗</a>
1996–2000	<b>Science</b>	<i>3.5/5, Serik Anatolian High School</i> <a href="#">↗</a>

## Languages

Turkish	<b>Native</b>	
English	<b>Intermediate</b>	<i>High School and University</i>

## Certifications/Eğitim

2002	<b>Windows 2000 MCSE</b> , MBA Bursa. Microsoft Certified System Engineer (MCSE) training for Windows 2000 Server Family.
2002	<b>Windows 2000 MCP</b> , MBA Bursa. Microsoft Certified Professional (MCP) certificate for Windows 2000 Server Family.

## Technical Skills

Programming Languages	C/C++, PHP, Bash, MSDOS Batch, NSIS Script, Javascript, HTML, QML, Java, Object-C
Frameworks	Qt, Qwt, MATLAB MEX, CodeIgniter, JQuery, OpenLayers, GeoServer
Development Tools	QtCreator, Doxygen, Netbeans, Notepad++, Inkscape, QMake, Autotools, GCC, MinGW, Eclipse, Dia, Umbrello, Libreoffice, Visual Studio, MATLAB
Network Protocols	TCP/IP, Modem Protocol, SNMP, Google Protocol Buffer, JSON, XML, MODBUS, RTMP, EPC Gen2, DICOM
Database Systems	MySQL, PostgreSQL, PostGIS, SQLite, RRDTool, MS-SQL
Versioning	git, Bazaar, SVN, Alfresco
Operating Systems	Linux (Ubuntu, Gentoo, Pardus, Embedded, Android), Windows (98, ME, NT4, XP, Vista, 7, 8, 2000 Server), Mac (OS X)

## Personal Informatins

Born at 1982. Married and have two children. Got a driver license. Non-smoker. Finished military duty.

Antalya – Turkey