

MUSTAFA KEMAL GILOR

Senior Software Engineer

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EDUCATION

2009 - 2012 **Ayrancılar Anatolian High School, Torbalı/İzmir**

2012 - 2017 **Cyprus International University, North Cyprus**

Computer Engineering

B.S. Full Scholarship awarded by the University

3.44/4.00 CGPA

Favorite Courses:

Visual Programming, Object Oriented Programming, Operating Systems
Algorithms and Programming, Computer Network and Organization

SKILLS and ABILITIES

Programming

Expert C/C++ knowledge (7 years)

- Strong knowledge of C++ standards (98,03,11,14,17)
- Strong knowledge of BOOST C++ libraries for development
- Strong knowledge of Boost.ASIO
- Strong knowledge of Microsoft Foundation Class Library (MFC)
- Strong knowledge of asynchronous network programming
- Intermediate knowledge of Qt5
- Strong knowledge of Win32 API
- Strong knowledge of Windows SDK/DDK
- Strong knowledge of DirectX 8 & 9 API
- Able to develop cross-platform applications (Windows, Linux, Mac OS)

Advanced Java knowledge (5 years)

- Strong knowledge of Netbeans

Expert C# knowledge (8 years)

- Strong knowledge of .NET 2.0/3.0/3.5/4.0/4.5
- Able to develop ASP.NET
- Actively using DevExpress for development

Expert Delphi Knowledge (10 years)

Expert Microsoft SQL Server (T-SQL) knowledge

Advanced Oracle Database 11g,12c (PLSQL) knowledge

Advanced PostgreSQL knowledge

Advanced MySQL Knowledge

Advanced PHP Knowledge

Advanced x86 Assembly Knowledge

- Reverse engineering

Scripting languages

- LUA
- Python
- Bash
- Batch Scripting

Platforms Arduino, Windows IoT, Raspberry Pi, Windows Desktop, Android, Linux, Web Development

Industry knowledge

Telecommunication, VoIP systems, industrial automation
Embedded devices, Game development, IoT systems, Cyber security

Software

All Windows Editions, including Enterprise and Server editions
Various Linux distributions, including Debian, openSUSE, Kali, RHEL, Ubuntu, CentOS
Microsoft Visual Studio (all editions except 2005)
Android Studio, Netbeans, Eclipse
Wireshark, tshark, Telerik Fiddler
OllyDbg, IDA, Hex Workshop
Subversion, Git
(Full list is available upon request)

Virtualization

VMWare Workstation, ESX-i
Oracle Virtualbox
Microsoft Hyper-V
KVM

Languages

English - Advanced
Turkish - Native language

WORK EXPERIENCE

2018-Present **NETAŞ**

Cyber Security Product Research & Development / C++ Senior Software Engineer

- One of the main contributors of NOVA V-GATE VoIP firewall
- Asynchronous network programming
- Linux networking development (TCP/IP stack, netfilter, iptables, ipset)

2016-2017

Sistem 5 Otomasyon

Lead Automation Research & Development Engineer

- Developing software infrastructure for embedded systems
- Programmable Logic Controller design for hotel, industrial and home appliances
- Programmable Logic Controller firmware development in C++
- Automation server node development in C++ and communication protocol design
- Automation control application design & development for web, desktop and mobile platforms

COMMERCIAL PROJECTS

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|------|---|
| 2017 | Infrastructure Automation (DoubleTree by Hilton İzmir Airport Hotel) <ul style="list-style-type: none">▪ Infrastructure automation preparation and installation▪ PLC software development▪ Management software development |
| 2017 | Car Lot Management System (Izmir Adnan Menderes Airport Jetpark) <ul style="list-style-type: none">▪ Android tablet software▪ Database daemon software |
| 2017 | Hotel Automation (Narven Termal Kasaba / BOLU) <ul style="list-style-type: none">▪ Programmable Logic Controller circuit design▪ Programmable Logic Controller firmware▪ System control server communication protocol design▪ System control server software▪ Hand terminal hardware & software |
| 2017 | Building Floor Trash System (Emlak Konut) <ul style="list-style-type: none">▪ Programmable Logic Controller circuit design▪ Programmable Logic Controller firmware▪ System monitoring software |
| 2018 | Online Payment Gateway (Sirius ESTPay) <ul style="list-style-type: none">▪ Supports Asseco EST infrastructure▪ Prestashop integration▪ Supports all 3D secure payment and normal methods |
| 2018 | E-Commerce Website (Buenor) <ul style="list-style-type: none">▪ Backend (PHP)▪ Frontend design improvements |

SOME PERSONAL PROJECTS

- Massive Multiplayer Online Role Playing Game Emulator for game named “Knight Online”, including all system, AI, game level design, both back & frontend programming, over 500K LOC. (C++, LUA, Assembly)
- libasynctu, an asynchronous cross platform network library, written in C++
- D3D8 hook, providing overlay facility to any 3d application using DirectX 8 (C++)
- SQLARD, a driver for Arduino to access and manipulate MSSQL databases
- IMDBTool, a tool for querying movies and series online
- MySyncTool, a tool for synchronizing MySQL and MSSQL databases
- Cryptocurrency Mining Tool, xminer (C++, OpenCL)

OTHER INFORMATION

Personal Traits Leadership skills, successful at planning and organization, team player, self-disciplined & determined, responsible, willing to take initiative, versatile

References Available upon request

