

EMRE TAPCI

PERSONAL INFORMATION

PLACE AND DATE OF BIRTH Kastamonu, Turkey, 1980
NATIONALITY Turkish
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CITY OF RESIDENCE Ankara, Turkey
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LINKEDIN <https://linkedin.com/in/emretapci>
STACKOVERFLOW <https://stackoverflow.com/users/8489067>
GITHUB <https://github.com/emretapci>
CV <https://goo.gl/cZKvko>

SKILLS

C, C++, C#, .NET Framework	Unit testing, TDD, Mocha, Xunit	Cryptography (AES, Twofish, Blowfish, Serpent)
ASP.NET core	RESTful services	AVR μ controller (SPI, UART, OneWire, I2C)
JavaScript, NodeJS, ExpressJS	Microservices, SOA	FreeRTOS (OS for microcontrollers)
HTML, CSS, ReactJS	SQL, NoSQL, document databases	MIL-STD-1553 Avionic bus
React Native on Android & iOS	Blockchain (Ethereum, Bitcoin, BSC)	Tactical Data Links (Link-1, Link-11, Link-16)
Git	Nginx	Command & Control software systems
Docker containers	Scrum methodology	

PROFESSIONAL EXPERIENCE

Software Architect

ERSTE SOFTWARE, ANKARA
December 2017 – Present

- Food delivery system for KBOX Global, UK (Java and Spring framework)
- Technical lead of 4 developers
- IoT system, that communicates to and orchestrates IoT devices. Software tools for design, development, engineering, commissioning, operation and optimization steps (NodeJS, ReactJS, ExpressJS, Docker)
- Software catalog system development for *Deskcenter AG* (ASP.NET core)
- Custom application store management system for industrial devices (NodeJS, ReactJS, Docker containerization API, custom docker registry, docker authentication)

Freelance Software Developer

2016 – Present

- Cryptocoin wallet development for mobile platforms, Android and iOS (React Native, Java Native Interface, Swift)
- Custom CNC machine controller C#.NET desktop program implementation
- Python program for receiving commands from microcontroller UART interface and playing video files on Raspberry Pi
- Implemented C#.NET program for encryption and decryption of files with various symmetric key ciphers (AES, Twofish, Blowfish, Serpent).
- C# and Java implementation of cryptography library using RSA and AES ciphers

Senior Software Engineer

ASELSAN, ANKARA
September 2008 – September 2017

- Technical lead of 2 developers
- Weapon, sensor and relay platform integration. (TCP/IP, RS-232 serial, X.25)
- Tactical data link (Link-1, Link-11B, Link-16) integration (C#.NET, C++)
- Simulation module development (C#.NET)
- NATO MSG-085 Command and Control and Simulation Interoperability working group liaison for the company
- Outsourcing management

Software Engineer

MILSOFT, ANKARA
December 2005 – August 2008

- Created Data Link Processor and Data Terminal Set simulators of Sikorsky S-70 helicopter. Interfaces are MIL-STD-1553 avionic data bus and proprietary message set on TCP/IP.
- Implemented Link-11 command and report processing algorithms.
- Defined software requirements of tactical data link system for naval platforms.

Software Engineer

TÜBİTAK MARMARA RESEARCH
CENTER, GEBZE
September 2002 – November 2004

- Implemented ECDIS naval map server software in C++, using Adaptive Communication Environment (ACE) for platform independence, QT for GUI, server and client architecture. OS calls are made through ACE. C++ source code compiles and runs on Linux, MS Windows and Solaris.

EDUCATION

BILKENT UNIVERSITY
COMPUTER ENGINEERING AND
INFORMATION SCIENCE
September 1998 – June 2002

B.Sc., CGPA: 3.47

Parallel methods for scientific computing, Cryptography and network security, Computer graphics, Computational theory

PUBLICATIONS

Tekkalmaz M, Tapcı E, Aydemir Ö. An Engineering Tool Suite for Enhanced Environments: GAMMA, Turkish National Software Architecture Conference, 29-30 November 2018, İstanbul, Turkey

AWARDS & CERTIFICATES

Professional Scrum Developer, issued by *scrum.org*
Full scholarship awarded by *Bilkent University*

116th degree in university entrance examination in 1998
IELTS Academic score 7.0

HOBBIES & INTERESTS

Riding bicycle Playing piano Movies & TV series