

CV Attachment #1 – Engineering part of my background

In this document I would like to summarize my largest achievements in the part of my life/career that may be considered as mainly related to engineering. This part has been “closed” in 2005th year but it is still important for some employers; that’s why I described it in details with all required clarifications. (I do not consider my current work in development of large web-based projects as “real engineering” because there is no direct work with hardware and no hardcore maths.)

Feb 04 – Nov 04 (full-time, in office); Center company (RU). Participated in design and development of a system for creating and managing a set of virtual disks supporting encryption with use of custom hardware tokens and single sign-on system for managing schedules of access rights to physical and software objects located in enterprise building and local network.

Technologies: C++, SQL Server, Active Directory, Win32 API, multithreading, MFC, CryptoAPI, Java (Swing, JDBC, JNI), Windows server.

In the same year MCSD.NET certificates in C# and SQL Server have been obtained.

MS in Computer Science (equivalent, 5.5 years of studies); Kazan State Technical University.

This provincial Russian university has been chosen by me in my youth because Internet was not widespread yet in provincial Russia at that time, and it was difficult for me to adapt my deep interests in social sciences, biology, and arts to Russian reality of that historical period. Also, some family circumstances influenced this choice.

The most part of official studies in this university included **hardcore mathematical subjects and general technical subjects**. IT-related part of studies was outdated and taught rather formally; software development was studied by myself later in my free time after I have graduated from this university already.

Graduated from high school with a certificate of excellence.

It was a standard provincial high school where you could meet young street gangsters and “smart Jewish boys” on the same floor. There is no ethnic segregation in Russian cities, and the social segregation is rather weak too; it was even less when I was a kid. In Russian high schools of that historical period the maximum attention was given to teaching **mathematics and natural sciences**. Human sciences subjects, social sciences subjects, and artistic subjects were taught rather formally in negligible way. However, the educational program in mathematics and natural sciences in high schools was **equivalent to the level of educational programs in mass American/European colleges** in these fields. Also, I had low grades in sports at that time. (I started active sportive training later, about getting 16-18 years old. In Russia graduation from high school is made after getting 16 years old, and then students go to study in universities.) So, the certificate of excellence given to me is not completely “honest”.