Oleksii Sylichenko

Java Full Stack Developer

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GitHub: www.github.com/asilichenko
HackerRank: www.hackerrank.com/asilichenko

I am a problem solver who enjoys tackling interesting and non-routine tasks that require creativity and thinking outside the box.

Quality is my top priority, and I ensure that my code is well-structured, readable, and easy to understand.

As a practitioner, I prioritize getting the job done and am not afraid to learn on the go. I am skilled at diving into the source code of libraries to understand how they work or even to fix their bugs.

Key Skills

- Java
- SQL, PostgreSQL
- Spring MVC
- Hibernate
- JavaScript
- HTML, JSP, JSTL
- RESTful Web Services
- Strong problem-solving skills
- Excellent attention to detail
- Proficient in software development
- Effective multitasking abilities
- Proven success in cryptanalysis

Professional Experience

Java Web Developer

Softengi | May 2011 - June 2020

- Developed and maintained a web application for an insurance company
- Collaborated with clients to discuss project requirements
- Implemented new features and fixed bugs
- Prepared deployment packages for each release
- Wrote unit tests to ensure code quality
- Created and modified database tables
- Wrote SQL queries to retrieve complex data for display on web pages and for use in reports
- Implemented business logic on the backend that involved performing calculations and ensuring data exchange between different entities
- Developed web pages as JSP with JSTL using JavaScript and the ExtJS library (v3.3)

Software Developer

Soft Industry Alliance Ltd.| September 2010 - April 2011

- Development server-side of programming complex for trading activity
- Design and development RESTful WebServices
- Writing unit and integration tests

Software Developer

Soft Industry Alliance Ltd.| November 2008 - December 2008

- Design and development API for e-shop

Accomplishments

On February 8, 2023 I cracked an unknown cipher as part of a cryptographic challenge. This achievement made me the first person to solve the challenge in its 13-year history, and some experts had even considered it impossible. I accomplished this feat within only six months of starting my journey in cryptanalysis.
See: www.ciphermachinesandcryptology.com/en/crow.htm

And I also managed to solve several more challenges from the same website:
- Enigma challenge. I became the 80th out of 330 participants over 16 years. www.ciphermachinesandcryptology.com/en/challenge.htm
- Crypto Box Challenge. The 10th out of 80 over 16 years. www.ciphermachinesandcryptology.com/en/boxchallenge.htm
- Elite Box Challenge. The 4th out of 4 over 1 year who solved one of the three tasks. www.ciphermachinesandcryptology.com/en/boxelite.htm

Education

Bachelor's degree in Computer engineering

Chernihiv Polytechnic National University at Chernihiv, Ukraine| September 2005 - June 2009

Master's degree in Computer engineering

Chernihiv Polytechnic National University at Chernihiv, Ukraine| September 2009 - February 2011