VIKTOR CSOMOR

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SUMMARY

Software engineer with hands-on experience and an avid interest in software design, machine learning, and parallel computing. Well-versed in Java, C++, and C#. Contributed to the development of complex enterprise, web, and desktop applications. Fascinated by the theoretical aspects of computer science such as mathematics, algorithms, and data structures. Passionate about optimal solutions and clean, efficient code.

WORK EXPERIENCE

Apr 2017 – present: Software Engineer, Allianz Technology, Vienna
Developed and maintained plug-ins for an Eclipse IDE to support remote development on a Linux host environment and refactored large portions of the old codebase greatly improving code quality.

Developed both the Java backend and the Angular web frontend prototype of a build report system successfully adopted by developers and build managers company wide.

Implemented a RESTful Java web service backed by a native process pool for the execution of external DB2 stored procedures significantly increasing scalability and reducing response times.

Sep 2016 – Mar 2017: Java Development Intern, Allianz Technology, Vienna
Implemented a secure interactive shell command executor for remote Linux machines, developed Eclipse plug-ins, and provided support and troubleshooting for users of the plug-ins.

PERSONAL PROJECTS

DETROID: A magic bitboard and parallelized principal variation search based Java chess engine and a framework providing Universal Chess Interface compatibility, a JavaFX GUI, and parameter optimization support via machine learning.

C-ATTL3: A C++ header-only template library for deep learning that supports the easy construction and optimization of state-of-the-art neural network architectures such as convolutional ResNets and LSTMs.

PP4J: A Java multiprocessing library that provides process pool implementations and a flexible API.

SKILLS

Java: Oracle Certified Java 8 Professional, JNI, JNA, JDBC, JPA, Hibernate, Jersey, Maven, JUnit, JavaFX, SWT, JFace, Eclipse RCP

C++: C++11, STL, GCC, GNU Make, MinGW, Doxygen, Template metaprograming, Eigen, Eclipse CDT

C# .NET: WPF, Entity Framework, WCF, ASP.NET, Windows Services, Visual Studio

Database: SQL, MySQL, Oracle, SQL Server, DB2

Web frontend: HTML, CSS, JavaScript, jQuery, Angular.js

Version control: Git, SVN

Others: UML, Apache Tomcat, Travis CI, Bugzilla, Linux

EDUCATION

2014 – 2017: University of Applied Sciences Technikum Vienna - **Business Informatics BSc** – Mobile Computing specialization (GPA: 3.5)

LANGUAGES

English: Full professional proficiency
German: Elementary proficiency
Hungarian: Native proficiency

Viktor Csomor