**Alex Bryan**

Java Developer

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|  | Availability: | Immediate | |
|  | Contact: | [to be completed by account manager] | |
|  | Phone Number: | [to be completed by account manager] | |
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|  | **Personal Particulars** | |  |
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|  | Qualifications: | Bachelor of Science in Maths  Master of Science in Maths | |
|  | Skills: | **Programming Languages**  Java,Shell Scripting, JavaScript **,**  **Databases**  Oracle SQL 11g  **Operating Systems**  Windows 7, Windows 10, UNIX, macOS  **Web Technologies**  Java EE, HTML5, CSS3, jQuery, XML, XSLT  **Other Software and Tools**  JUnit, Eclipse, IntelliJ, Spring Framework, Maven, UML, Docker, Postman, LaTex, Xcode, Angular, Angular Material, Node.js | |
|  | Languages: | German (mother tongue)  English and German (fluent / business fluent)  Polish and Russian (advanced), French (basic) | |
|  | **Profile** | |  |
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|  | Alex is an enthusiastic theoretical physicist and software developer. During his bachelor’s studies he gained a basic knowledge of writing computer programs. Although at first this was limited to more or less just plain procedural programming (MATLAB, C/C++). Later it advanced to object-orientated and functional programming (Java and JavaScript). The main takeaway from his studies was the ability of abstract and analytic thinking, and problem solving. Such abilities proved very efficient during the Java training course at FDM as well as during the placement at Daimler TSS.  Physicist are usually regarded as socially awkward. This is not true in Alex’s case. He enjoys working in a team and can interact with people from various backgrounds. One can say that Alex is a team player and stays faithful to his colleagues.  As a software developer he is interested in continuously improving his programming skills and knowledge. This he achieves by watching and participating in various online courses on many available platforms and through practicing and building his own little projects in his spare time. He strives to write clean and effective code, which holds to the “best practices”. | | |
|  | **FDM Training** | |  |
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|  | February 2019 – May 2019: | **FDM Training centre**, Frankfurt | |
|  | Alex has completed the following modules of the Java Development programme:  **Completed**  **Professional Skills**  An overview of the Software Development Lifecycle and Service Management is given and the importance of communication, presentation and interview skills are highlighted and assessed.  **SQL**  Beginning with an introduction about the theory of relational databases, ERDs and normalisation, this course covers query writing using different aspects of SQL such as DDL, DML, joins and aggregate functions.  **UNIX**  This course covers working on a command line by using the Bash Shell, navigating in the file system as well as interacting with input and output using redirection and piping. It also gives an overview of the basics of programming which is practiced through the creation of Shell Scripts.  **Web Application Design**  After modelling Use Case and Activity Diagrams to define the requirements for a website, the layout is then designed using Wireframe Diagrams. When all the planning is done, the website is then implemented using HTML5, CSS3, XML, XSLT, JavaScript and jQuery.  **Common Development**  Applying OOP principals (SOLID, 4 Pillars) and Design Patterns for designing a trading platform system using UML diagrams is covered.  **Essential Core Java**  This course is an introduction to the Java programming language including Collections, Documentation, Memory Handling, Servlets, Serialization and Threading. It also encompasses implementing a previously designed system with extensive Test Driven Development and integrating the technologies JUnit, Mockito, Maven and log4j. Also starting developing the designed trading platform.  **Data Access using JDBC**  This course shows how to extend the trading platform with a Data Access layer for multiple database vendors using the JDBC technology.  **Web Programming using Servlets and JSPs with JSTL and EL**  In this course a web application is developed for the trading platform using an Apache HTTP Server.  **Spring Framework (Core, AOP, MVC), JPA**  The course covers the Spring Framework’s modules Core, AOP, MVC and Data Access. During this course the concepts of Inversion of Control and Aspect Oriented Programming are also explained. | | |
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|  | **Employment History** | | | |  |
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|  | June 2019 –  January 2020 | | | Daimler TSS, Stuttgart  **Java Developer**   * Getting the basic understanding of the assigned Spring MVC Rest Service Project * Implementing, defining and testing API endpoints and HTTP request methods, and the underlying logic * Writing unit tests of a Spring RESTful service using MockMvc, JUnit and Mockito * Writing and testing HTTP requests in Postman and through WireMock * Documenting and logging the implemented code and logic in Confluence * First experience in the Angular framework, in particular Angular Material, while developing a basic functional frontend for the assigned project (other used technologies were: HTML and CSS) * Enhanced knowledge of JavaScript as well as its superset: TypeScript * Working in an agile (SCRUM) working environment. | |
|  | October 2018 –  February 2019 | | | Karl-Franzens University Graz, Graz (Austria)  **Lecturer and research assistant for the linear algebra exercise**   * Directing the exercise / tutoring * Creating exercise sheets as well as exams * Correcting and grading the exercise sheets and exams * Recording attendances, grades and student participation | |
|  | October 2017 –  March 2018 | | | Karl-Franzens University Graz, Graz (Austria)  **Lecturer and research assistant for the differential and integral calculus exercise**   * Directing the exercise / tutoring * Creating exercise sheets as well as exams * Correcting and grading the exercise sheets and exams * Recording attendances, grades and student participation | |
|  | August 2016 –  October 2016 | | | Schülerhilfe Graz Andritz, Graz (Austria)  **Math and physics tutor (for Highschool students)** | |
|  | September 2014 –  June 2015 | | | High School Murska Sobota, Murska Sobota (Slovenia)  **Teaching assistant and assistant for Maths under the supervision of head teacher** | |
|  | **Education** | | | |  |
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|  | September 2018 | Hadron Physics Summer School at Forschungszentrum Jülich, Jülich  (Jülich Research Center)  Participant in courses in the fields of hadron physics  Core Subjects:   * Introduction to hadron physics * Experimental methods in hadron physics * Baryon spectroscopy * Neutrino physics * Statistical methods   Active participation in lectures, as well as in the assigned group projects. The participation was graded with 20 ECTS points. | | | |
|  | March 2016 –  February 2019 | | | Karl-Franzens University, Graz, Austria  Master of Science in theoretical and computational physics  Core Subjects:   * Advanced Quantum Mechanics * Theoretical Solid State Physics * Theoretical elementary particle physics * Quantum field theory * Computational physics | |
|  | October 2011 –  January 2016 | | Graz University of Technology, Graz, Austria  Bachelor of Science in engineering physics  Core Subjects:   * Experimental physics * Theoretical physics * Measurement methods and technology * Solid state physics * Material science   Thesis: The damped quantum harmonic oscillator. A generic open quantum system. | | |
|  | September 2007 –  June 2011 | | | BG/BORG Graz-Liebenau (HIB Liebenau) Graz, Austria  High School (in German “Gymnasium”)  Core Subjects:   * Mathematics * Physics * Russian * English | |
|  | **Interests and Activities** | | | |  |
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|  | Alex is a big music enthusiast. He adores classical music. The affection came from his childhood, when he got his first piano lessons. Ever since he tries to learn new pieces or work on the almost “forgotten” ones. During high school and studies in Graz, Austria, Alex had seasonal tickets to the Opera House Graz for nearly 8 years.  Generally he loves to learn languages. Since a variety of his friends come from Poland, he learned Polish to communicate with them. This knowledge advanced over the past year. At high school he was forced to learn Latin, which proved effective while learning another Roman language – French. Which he still is learns and improves at his most convenient times.  In order to enhance and practice his learned vocabulary, Alex likes to travel abroad. Not only to “show off” his language skills, but also to experience different cultures and try the local as well as national gastronomy of the visited country. | | | | |