BMW GROUP NORTH AMERICA
SOFTWARE ENGINEER - DATA SCIENCE

Description
As an independent group of companies, the BMW Group has a commitment to creativity and breakthrough ideas that goes well beyond the racetrack. In order to continuously create ultimate driving machines, we drive our growth and design excellence by staffing our teams with individuals who are innovative and always looking for the next great idea. If you share our vision and view yourself as an independent, creative thinker, we invite you to join our team in this exceptional role located in Woodcliff Lake, NJ.

The Software Engineer with data science focus will be responsible for working directly with cross-functional product teams to create robust data & analytics-driven software applications. You will be responsible for developing product-quality software and models that automatically extract, analyze and monitor data with a strong emphasis on user & customer experience. This growth-focused role allows interaction with a dynamic product line and works as part of a creative and innovative team.

You should have a passion for solving complex issues, while having the flexibility and adaptability to quickly learn and adapt to new technologies when necessary with a consistent positive attitude. You are self-motivated and willing to take on challenging opportunities, as well as to work through all phases of the software product development lifecycle – defining requirements, design, implementation, testing, validation, and maintenance.

Key responsibilities include:
- Identify & drive advanced analytics use-cases together with business partners and users
- Contribute to the modeling, implementation, validation and operation of analytical models in software applications
- Develop and deliver clean quality software solutions which are easily maintainable
- Contribute to the development and efficiency of the team
- Participate in planning sessions to estimate work and plan for work to be done
- Work with a lead, product owner & other stakeholders to define the product requirements
- Operate on an agile development team and participate in overall design & delivery (development, testing, debugging...)

Join the team at BMW of North America and enjoy a high-performance employment package which includes:
- Company paid Medical, Dental & Vision Insurance
- Employee car program
- 401(k) Savings Plan
- Retirement Income Account

Qualifications and experience
Minimum Requirements:
- BS or higher in Computer Science, Engineering, Math, Physics
- Recent experience in data and/or analytics-oriented software development projects
- Command of at least one modern Object Oriented programming language and experience working with mainstream scripting languages, including R or Python
Software engineering skills in: object-oriented design, test driven development, automated unit testing, continuous integration and deployment, etc.

- Strong & creative analytical and problem solving skills with high attention to detail and accuracy
- Solid understanding of how business needs translate into software solutions.
- High energy, a passion for software and ability to work in a highly collaborative agile environment

Desired Qualification:
- Coding on GitHub for personal or public open-source projects
- Experience with one or more of the following: mathematical optimization, recommendation engines, graph analysis, machine learning, neural networks and/or related areas
- Working with large data sets using Hadoop and MapReduce;
- Experience using Internet technologies such as web services, HTML, XML, CSS, AJAX, Java, JavaScript, node.js, http, DHTML.
- Proficient understanding of the following data formats: XML, JSON, XML Schema, XSLT
- Delivered solutions that used virtual machines, cloud services (AWS, Azure, including relevant micro service & API architecture)

BMW NA is an EO employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, disability, or protected veteran status.

If you are interested in this position, visit the BMW career website at https://www.bmwgroup.jobs/ and apply for our Software Engineering positions in Woodcliff Lake, NJ.