Become a Data Scientist at Signum

The Data Science team in Signum is under rapid development as an integrated part of insights, innovation, and product development within the company.

Your contributions as a Data Scientist at Signum will be critical to the success of our projects and products, ensuring that our solutions are at the forefront of the industry.

Role Overview:

At Signum, our Data Scientists play a pivotal role in collaboration with product owners, customers, sales teams, UX analysts, BI analysts, and project managers. You will be at the forefront of finding, building, and analyzing the data foundation that underpins our consulting reports for the pharmaceutical industry, providing valuable industry insights. Additionally, you will contribute to the development of both BI solutions and bespoke software solutions, working closely with project managers, software developers, and other stakeholders.

Traditionally known for building BI tools, Signum is now expanding its focus to create more holistic solutions. Our approach involves not only exploring novel ways of presenting data on our platform but also integrating business insights directly into our customers' data ecosystems, exemplified by our new product, Kwarts, which enhances HCP engagement and analytics within CRM systems.

As a Data Scientist at Signum, you will engage with both internal and external customers, taking ownership of projects from scoping and customer interactions to development and delivery. Your responsibilities will be diverse, involving a balance between specific customer projects and contributing to larger-scale product development. This larger-scale product development follows the SCRUM framework and embraces Agile methodologies and Design Thinking principles.

Day-to-day, you will tackle challenging problems where the application of machine learning, forecasting, and optimization techniques is essential for effective solutions. You'll ensure that our prescriptive models utilize cutting-edge techniques to support and automate data-driven decision-making processes, including the design of internal software libraries.

Joining a dynamic team comprising data scientists, data engineers, and software developers, you will collaborate to build automated, resilient, and versatile software solutions. Your contributions will draw from domain insights gathered from different data sources and machine learning models, ensuring the success of our SCRUM-driven projects and products.

Need to have to succeed in this position:

• Proficiency in Python; proficiency in a combination of Python and R is a plus.

• Hands-on experience with SQL/Oracle/MariaDB databases.

- Ph.D. or M.Sc. degree in computer science, mathematics, statistics, engineering, machine learning, or related fields in data science.
- Expertise in applying advanced analytics to diverse business scenarios.
- Understanding of contemporary machine learning techniques with the ability to communicate business implications effectively.
- Additional experience in predictive modeling, customer segmentation, network analysis, supply chain optimization, simulation, etc.
- Fluent proficiency in both written and oral English.
- Ability to articulate sophisticated data science concepts to non-technical stakeholders.
- Understanding or interest in scaling, automating, and transforming solutions into products for a diverse customer base.

Nice to have:

- Several years of practical experience post-Master's Thesis completion.
- Experience with popular LLM APIs.
- Valuable experience in the Life Science industry, demonstrating a deep understanding of sector nuances.
- Comfortable and adept in client-facing roles, showing ambition to lead projects.
- Proficient in utilizing data bricks for effective data processing.
- Familiarity with Azure DevOps, MLOps, Git, Docker, VSCode is an advantage.
- Practical experience with electronic health record data (EHR), demonstrating a nuanced understanding of relevant datasets.
- Keen interest in thorough documentation of projects and code, emphasizing clarity and transparency.
- Proven experience collaborating with software developers, project management teams, and adeptness in agile SCRUM methodologies.
- Familiarity with project management tools like ClickUp or equivalent platforms.
- Background or interest in neural networks, deep learning, and reinforcement learning is a plus, demonstrating a commitment to staying abreast of emerging technologies.

We recognize that skills and competencies manifest in various forms and could be based on your life experience. If you don't meet all the requirements, we still encourage you to apply. We encourage qualified candidates from every demographic to apply for this position.

Selected benefits:

- Yearly bonus package
- 7 weeks' vacation
- 10% company pension contribution

Responsibilities:

Data Foundation and Analysis:

- Data Exploration: Lead the discovery and exploration of datasets to uncover valuable insights for pharmaceutical industry consulting reports.
- Data Modeling: Develop and implement advanced machine learning, forecasting, and optimization models to address complex business challenges.
- Data Integration: Work closely with cross-functional teams to integrate business insights into customers' data ecosystems, aligning with Signum's holistic solutions approach.

Project Ownership:

- Scoping: Take ownership of projects from initial scoping to understand customer requirements and define project objectives.
- Customer Interaction: Engage with both internal and external customers, ensuring clear communication and understanding of project goals and deliverables.
- Development and Delivery: Lead the development process, collaborating with data engineers, software developers, and other stakeholders to ensure successful project delivery.

Product Development:

- Agile Methodologies: Contribute to larger-scale product development following SCRUM framework, Agile methodologies, and Design Thinking principles.
- Innovative Solutions: Explore novel approaches for presenting data on the platform and contribute to the development of cutting-edge products, aligning with Signum's evolving focus.

Collaboration:

- Cross-functional Collaboration: Collaborate with data scientists, data engineers, and software developers in a dynamic team environment.

- Automated Solutions: Work towards building automated, resilient, and versatile software solutions that leverage domain insights from different data sources and machine learning models.

Continuous Improvement:

- Stay Abreast: Keep up-to-date with the latest advancements in data science, machine learning, and related technologies to continuously improve methodologies and approaches.
- Knowledge Sharing: Share knowledge and insights with the team, contributing to a culture of learning and growth within the data science department.

Location: Copenhagen, Denmark

Hiring Manager: Director, Product & Innovation, Simon Kaastrup-Olsen

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About Signum

Signum is at the forefront of transforming any healthcare data into actionable Decision Intelligence (DI) solutions. We empower our clients to deepen their market understanding, make informed choices, and predict the consequences of their decisions. As we evolve from a traditional BI dashboards' provider into a hub for holistic DI solutions, our platforms will span across apps, websites, dashboards, consulting reports and much more.

With a multi-dimensional view of Nordic healthcare data, Signum provides insights for companies, patients, healthcare practitioners and payers in the life sciences.

www.signumlifescience.com