



SENIOR MACHINE LEARNING ENGINEER

EUROPEAN HUBS

BCG GAMMA

BCG Gamma designs and builds powerful **analytics-based solutions** designed to help our clients tackle their most pressing business problems. We are an interdisciplinary team of data scientists, engineers and BCG consultants, collectively delivering a unique combination of domain expertise, analytics know-how, and leading technologies. Our teams own the full analytics value-chain end to end: framing new business challenges, building fact-bases, designing innovative algorithms, creating scale through creating tools and apps, and training colleagues and clients in new solutions. BCG Gamma is a global capability, working with clients in every BCG region and in every industry area. The team partners with BCG practices, including Operations and Marketing, Sales, and Pricing. Gamma is a core member of a rapidly growing analytics enterprise at BCG – a constellation of teams focused on driving practical results for BCG clients by applying leading edge analytics approaches, data, and technology.

OVERVIEW OF GAMMA ENGINEERING:

The **Gamma Engineering team** is building the next generation of analytics tools. Clients need to easily interact with our analytics applications to measure the success of their new analytics enabled organization or quickly make decisions based on what and how they see analytic output. Our clients will use our analytics solutions to derive insights around business trends. We “open the doors” to data for our clients giving them fast and trusted options to search, frame, and share data.

POSITION SUMMARY:

BCG Gamma is seeking a **Senior Machine Learning Engineer** to join our engineering team. The ideal candidate will have industry experience working on a range of different machine learning disciplines, e.g. anomaly detection, payment fraud, fraud detection, search ranking, text/sentiment classification, spam detection and others. The position will involve taking these skills and applying them to some of the most exciting and massive data and analytics problems across multiple industries. We are looking for machine learning engineers to join the ML effort for our teams, building ML-based systems, tools, and services that serve as infrastructure for our internal and external clients.

As a strong software leader and an expert in building complex systems, you will be responsible for inventing how we use technology, machine learning, and data to enable the productivity of our clients. You will help envision, build, deploy and develop our next generation of data engines and tools which will help our clients fundamentally transform their business. You will be bridging the gap between business and engineering, and functioning with deep expertise in both worlds.

RESPONSIBILITIES:

We are looking for a **Senior Machine Learning Engineer** who can bring bleeding edge machine learning models into production together with a highly multi-disciplinary team of scientist, engineers, partners, product managers and subject



domain experts.

REQUIREMENTS:

- Masters degree or PhD in computer science (or in a highly related area)
- 5 to 8 years of experience in algorithms, data structures, and object-oriented programming
- Good understanding of machine learning fundamentals and deep learning
- Implementation experience in machine learning algorithms and applications
- Knowledge of or experience in building production quality and large scale deployment of applications related to natural language processing and machine learning
- Experience with distributed systems strongly preferred

TECHNOLOGIES:

- Strong programming skills in at least one object oriented programming language (Java, Scala, C++, Python, etc.)
- Strong skills in parallel processing technologies and languages: Hadoop, Spark, Scala etc.
- Experience with Python applied to machine learning (Pandas, Scikit-learn, Scipy, Numpy etc.)
- Strong knowledge of machine learning techniques required (KNN, random forest, Bayesian statistics etc.)
- Strong knowledge of machine learning techniques preferred (TensorFlow, Keras, PyTorch, Caffe, MxNet)
- Cloud: AWS/GCP/Azure
- DevOps: Kubernetes, Docker, CI/CD
- Building REST API
- Knowledge of relational database management: SQL, PostgreSQL, Microsoft SQL etc.
- Knowledge of NoSQL databases (MongoDB, Neo4j, Redis etc.)
- Unix-based command line & development tools

WORK ENVIRONMENT:

- Fast-paced, intellectually intense, service-oriented environment
- Position is located in Gamma European hubs (Paris, London, Germany, Nordics etc.)
- Fluency in local language and English are required
- Expect time spent traveling

The Boston Consulting Group is an Equal Opportunity Employer. All qualified applicants will receive consideration for employment without regard to race, colour, age, religion, sex, national origin, disability, protected veteran status, or any other characteristic protected under federal, state or local law.