

Python Backend Developer

Bloomsbury AI is a fully funded London startup created at UCL in 2015 by internationally recognised Machine Learning and **Natural Language Processing** experts. Our goal is to enable everyone (companies, groups of volunteers, your grandparents) to scale their expertise by teaching conversational AI agents through language and other intuitive means of communication. Our virtual agents read background documents, learn from their human teachers, and make novel inferences that their teachers did not even know about. In turn, they can help the human experts to help more people, or serve more customers, more efficiently. Our current product is a step in this direction: by simply pointing an agent to their favourite web page or internal documents, any user can obtain an AI expert for **questions** that can be **answered** by reading that page's content.

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Role

As a **Python backend developer**, you will be in a central role within the company, teaming up with the CTO to turn cutting-edge research code provided by the R&D team, and components from the front-end designers, into a scalable and robust product.

Our current stack is Web-application (JS+HTML5) -> DNS + Load Balancer + Firewall (Google Cloud) -> cluster orchestration (K8s) -> storage (BigTable) + synchronous ML (Python3/Tensorflow).

Responsibilities

Your main responsibilities will be to test, code, maintain and deploy features of the product:

- You will make sure the **code** meets the specification of product requirements:
 - Integrate AI research code into a production environment,
 - Develop Website Backends ,
- You will be responsible for the **deployment** of the software on the cloud which involves distributing machine learning code on multiple servers,
- You will **deliver** high quality properly tested code, easily reusable by other members of the team.
- You will report and **communicate** your progress to the team and collaborate with Frontend engineers and ML/NLP researchers to design the overall product architectures,
- You will **review** the code of your peers, suggest improvements and help the company maintain its high-profile programming standards by sharing your knowledge with others. As the company grows, you will take on some coaching and management responsibilities.

Job qualifications

The minimal requirements are:

- **Python:** good knowledge of Python and familiarity with multi-core management and data analysis packages, such as Pandas, Sklearn, NLTK or Gensim is required.
- **Problem solving:** We expect candidates to have strong problem solving capabilities, by identifying quickly the appropriate tools for solve a technical problem.
- **Time management:** We often have tight deadlines, so you'll be expected to have excellent time management to ensure products are delivered on time to a high quality.

Preferred qualifications will be:

- Web-application: experience in developing web-scale applications,
- Synchronous ML: experience with large scale main
- Storage: large database access with concurrency
- Cluster orchestration: distributing code and managing task schedulers.

At Bloomsbury AI, we expect employees to share their knowledge and actively learn from others and from external sources. We are a team of passionate people that are constantly looking for the best solution and wanting to tackle challenging technical problems.

Compensation

At least £40K annual gross salary, but can be £70K or higher for exceptional candidates. Significant level of equity provided.

You would also have all the benefits of the employees, which are a flexible working times, monthly social event, 25 days of holiday and of course all the knowledge you may gain from a top-level technical team!

How to apply

Please send your CV with 3 references to apply@bloomsbury.ai