Python Software Engineer

Yazzoom is a high-tech company based in Ghent, Belgium, that offers software and engineering services for improving company processes by means of data processing. We are looking for a candidate (Master or PhD in pure informatics/computer science or computer science/software engineering) with strong Python skills. The job comprises backend development but also testing, configuration, deployment, and contact with the internal team of data science engineers, and with our customers. The main location for this job is Ghent. The Yazzoom offices have a very attractive location, next to the E40 motorway and close to the main train station. Some projects require short national or international travel so a driving license is required. Candidates must be fluent in English. Knowledge of Dutch, French and/or German are a plus.

Who are we?

Yazzoom (www.yazzoom.com) is a seven-year-old Ghent-based high-tech company that offers AI-based software products, custom algorithmic software development and data science R&D services to a broad range of companies and organizations. We have top expertise in algorithmic software development and in particular in artificial intelligence, predictive and prescriptive analytics and optimization algorithms - both building on big data technologies and on classical structured data storage such as relational databases.

We also have two own software products in the market that we continue to develop further:

- a tool suite for virtual sensor creation, deployment and monitoring called Yasense
- a big data software platform for anomaly detection on machine generated data (timeseries and log files) called Yanomaly (https://www.machine-analytics.com).

In earlier projects, we have for example developed software for:

- AI-based biometric signature verification for a mobile payment platform
- Automatic sorting of onions based on computer vision and AI
- Processing of 3D and thermal images for various applications
- Optimizing and controlling in real-time the use of Combined Heat and Power (CHP) plants based on predictions of the evolution of electricity prices to help maintain the balance on the electric grid
- Continuous monitoring and anomaly detection of production processes using unsupervised AI algorithms

Our colleagues are motivated and flexible high-tech professionals that can further develop their knowledge and skills working on projects for different companies in a variety of industry segments.

The past 7 years we have proven to deliver a large added value for our customers. We are now ready for a rapid expansion and internationalization and are looking for new colleagues that want to grow together with us.

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The job

In this job, you will apply a broad set of skills in software development:

- Build complex and scalable browser-based applications served by a back-end.
- Deploy those technologies both on cloud infrastructure and on customer-hosted enterprise cloud infrastructure.
- Combine existing open-source technologies into a single platform.
- Tune algorithms and data pipelines for optimal performance.
- Help build a responsive and intuitive browser-based front-end.
- Interface with various data sources over various connector pipelines (SQL, Elasticsearch, Kafka, REST APIs, …)
- For certain projects, also project management and managing external freelance developers.

Your profile

- You have a master or PhD in informatics, computer science or computer/software engineering.
- You have at least 5 years' experience in software and/or backend development.
- You have a passion for software design patterns and building clean, well-tested code.
- You are fluent in Python and are familiar with building web applications in Python.
- Experience with any of the following technologies is a big plus: Javascript, Flask, nginx, Kafka, Elasticsearch, AngularJS, Docker and Docker-Compose.
- You own a driving license type B and are flexible to do occasional travel to our customers in Belgium and internationally.
- You like a job with a lot of variation. You also like to learn new technologies, software libraries and frameworks and apply them to solve real-world problems.
- You have a strong analytical mindset and are able to understand and solve technical problems quickly: you are a creative problem solver.
- You can build a relationship of trust with the customer.
- You take ownership of what you build
- You communicate fluently in English both orally and in writing. A good knowledge of Dutch is a big plus. Knowledge of French and/or German is a plus.

Our offer

- Yazzoom is an innovative high-tech software and engineering company that helps its customers to push the boundaries of what is possible in terms of (big) data analysis and machine learning. With us, you enter a world of constant innovation.
- You will get to work in a team of highly educated computer science professionals on a variety of challenging projects. This way, you will get a taste of what data science and optimization algorithms are all about.
- We provide the opportunity for training and, where appropriate, supervision by experienced engineers. However, we expect you to hit the ground running and start

coding from the first week. In this job, you will never get bored. This is a job with a lot of variety. We offer you the opportunity to grow with the company.

- We promote communication and permanent learning in an informal, constructive, and no-nonsense corporate culture. Your colleagues are top notch and up to speed with the latest technological trends and so you can learn with and from them.
- With us no rigid organizational structures and decision-making processes, but direct access to the company management and flexible working hours.
- We give a lot of confidence to our employees, and expect them to use it wisely. Therefore, we greatly appreciate taking initiative, passion for the work without neglecting the rest of your life, intelligence, teamwork and integrity.
- We work hard but we also take time to celebrate success and have fun.
- Your motivation, initiative and dedication are rewarded with a competitive remuneration package, with extras such as a company car or free public transport, a wage bonus, contributions to your retirement fund, a large training budget and an attractive travel allowance.

Location

The main location and base for this job is our office in Sint-Denijs-Westrem near Ghent. About 10 minutes from the Sint-Pieters train station by tram or by bike, and a few minutes from the E40 motorway. Occasional travel to our customers is required. Usually one day visits, but sometimes several days in a row.

Interested?

Call me now for more information or email your resume with a short motivation to:

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