

Back End Developer (m/w/d)

Freelance-ID: OCR-FL-1164

Tasks:

- Develop the product according to the prioritized Backlog items as included in the aligned Sprint plan to scale-up the solution based on the infrastructure and develop microservice-based Python applications
- Development activities shall be executed considering hardening existing code bases, by:
 - Development of QA tests. Coordination between manual and automated tests as well as the various necessary tests considering the respective content of each sprint
 - Creation of manual test plans, test cases and test scripts. Consult the team to define and run these tests
 - Get feedback within sprint meetings in order to apply the standards during the assignment, to setup compliance and quality within the product
 - Consult the data scientists on options regarding suitable solutions for the creation of an enterprise-grade application software

Required Experience

- Implementing and operating micro service architectures
- JWT-based session authentication
- Hardening, securing Kubernetes-based applications
- Securing applications with the SSL/TLS protocol
- Data encryption, in particular inside PostgreSQL databases
- Experience with Data Security Protocols
- Design and implementation of unit and integration testing
- Software architecture, application design and usability
- OpenShift Application design, implementation, operation
- Docker, Docker Compose, SQL query design and optimization, Flask, SQLAlchemy, PostgreSQL, Pandas, RESTful Web APIs, Jira, BitBucket, Jenkins for CI/CD
- Agile Mindset

Additional Information

Location: remote (Ingelheim)
Project start: asap, latest February 2021
Duration: 12 months
Availability: 4-5 days / week

Your OCR contact

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Project backound

The service is requested as part of the FinForc (Financial Forecasting) product. The product was developed in the current status during 2020 in a project mode and will be further developed as product throughout 2021.

The product intends to generate Artificial Intelligence driven forecasts to enhance accuracy with accepted reliability, ultimately leading to prescriptive analytics referring to financial outlook and budget planning cycles in order to:

- get valuable and actionable insights resulting in smarter decisions and better business outcomes
- enable earlier availability of financial forecasts
- increase efficiency to free-up resources for value-adding activities

Prediction delivers substantial value for Finance & Controlling (F&C) and the Business:

- Reduces planning efforts via manual data collection and business partner interaction and hence allows more time for both F&C and business for value-adding activities
- Drives financial transparency via un-biased plan figures (no political planning)
- Drives better allocation of funds and its utilization
- Learning effect for the organization to utilize prediction models in the financial planning context and apply technology in the future also in other areas

The development activities in 2021 are focusing beside others on increasing accuracy rates by adjusted algorithms, expansion of calculated KPIs and improvement of front-end capabilities.

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