

## Database Engine Software Engineer

We are looking for highly skilled systems software engineers to join us and make an impact in our company.

You will be working with cutting-edge technologies, including microservices orchestrators (Kubernetes), cloud services, Big Data, and Artificial Intelligence. Your mission will be the design, implementation, and optimization of a world-class, cloud-native, scalable, high-performance and resilient Analytics system.

We value and promote personal initiative, clarity of thought, ability to learn, team work, accountability, and a striving for achievement. We collaborate in our offices in the city of Zurich.

If that sounds appealing to you and you want to play a key role in a vibrant international startup culture, please read on.

### Responsibilities:

- Help design and build our new data warehouse engine and its microservices architecture
- Engage in research and experimentation through design sessions and proofs of concepts
- Take part in the entire development lifecycle, comprising design, implementation, testing, documentation, automation, deployment and maintenance
- Apply agile and DevOps best practices, including coding standards, code reviews, automated testing, benchmarking, continuous integration and delivery
- Interface with partner companies for the integration of tailor-made libraries

### Requirements:

- University degree in Computer Science or related technical/scientific discipline
- Proficiency in C++ or Rust
- Good knowledge of cloud architecture and software design patterns
- Sound understanding of concurrency, algorithms, and computational complexity
- Previous involvement in the design and development of large-scale distributed systems
- Experience with designing database or data warehouse systems
- Fluency in English

### Any of the following is a strong plus:

- Knowledge of C# or Python
- Exposure to Machine Learning concepts
- Database query optimization
- Database storage engines, consistency models and replication
- Domain-Specific Languages and interpreters
- Familiarity with at least one leading cloud platform (Azure, GCP, AWS)

We offer an attractive compensation based on experience and skills.

Please send your complete application to Mr Patrizio Contu, CTO, (including CV with photo, references, education and qualification certificates) per e-mail: [techlab@natzka.com](mailto:techlab@natzka.com)



Please kindly note that we only accept applications from direct candidates, no recruitment agencies. Thank you for your understanding.

Occupation: 100%  
Location: Zurich  
Function: Database Engine Software Engineer  
Sector: Software