Systems Software Architect

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

In this role, you have the chance to apply your technical leadership to influence key decisions. You will be working with cutting-edge technologies, including database engines, microservices orchestrators, 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, teamwork, 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:

- Design and build our new data warehouse engine and its microservices architecture
- Design software solutions and lead software development projects
- Lead by example, advise and inspire our software engineering teams with best practices and most significant technology innovations
- Plan, track and schedule software deliverables
- Document and present solutions to management and software engineering teams
- Engage in research and experimentation through design sessions and proofs of concepts
- Help shape the product roadmap

Requirements:

- University degree in Computer Science or related scientific discipline
- Proficiency in C++ or Rust
- Excellent knowledge of cloud architecture and software design patterns
- Thorough familiarity with at least one leading cloud platform (Azure, GCP, AWS)
- Sound understanding of concurrency, algorithms, and computational complexity
- Proven record of designing and developing large-scale distributed systems
- Proven record of designing database or data warehouse systems
- Thorough knowledge of database query execution and optimization, storage engines, consistency models and replication
- Fluency in English

Any of the following is a strong plus:

- Academic research experience in the above areas
- Good knowledge of Kubernetes and its ecosystem
- Understanding of Machine Learning concepts
- Domain-Specific Languages
- Knowledge of .NET 5+ and Python

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

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

Occupation:	100%
Location:	Zurich
Function:	Systems Software Architect
Sector:	Software