



## Software Engineer for Domain Specific Languages

At Natzka, we're revolutionizing the decision-making process for our customers working with traditional data warehouse technologies. This ambitious goal is backed by the use of sophisticated proprietary algorithms and the most recent results from Artificial Intelligence. We are looking for a highly skilled software engineer to join us to help build a high-level simplified query language tailored for massive analytics workloads.

You will be working with cutting-edge technologies, including microservices orchestrators (Kubernetes), containerized applications, cloud services, big data, and artificial intelligence. Our mission is the design, implementation, and optimization of a world-class, cloud-native, scalable, high-performance and resilient decision support system.

We value and promote personal initiative, clarity of thought, ability to learn, teamwork, accountability, and a striving for achievement. We collaborate in our office in the city of Zurich, or remotely.

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

### Responsibilities

- You design and implement our Natzka query language to make querying data for our OLAP engine a natural task.
- Building up on previous work you ensure the compatibility and integration of our query language from our user interfaces to the query execution.
- Engage in research and experimentation through design sessions and proofs of concepts.
- Participate actively in the entire development lifecycle, comprising design, implementation, testing, documentation, automation, deployment and maintenance.
- Apply agile and DevOps best practices, including collaboration, coding standards, code reviews, automated testing, benchmarking, continuous integration and delivery.

### Requirements

- University degree in Computer Science or related technical/scientific discipline.
- Proficiency in a modern statically compiled programming language.
- Open to adopt new languages and acquire new skills as needed.
- Experience and deep interest in designing domain specific languages (DSL).
- Knowledge in tooling for DSLs (for example Eclipse Xtext, JetBrains MPS, ANTLR, YACC).
- Understanding of the theoretical foundations of building domain specific languages and an interest in exploring and leveraging the latest research in the field.
- Eligibility for a Swiss work permit.
- Fluency in English

### Nice to have

- Detailed knowledge of database query languages (SQL, MDX, etc.).
- Experience with IDE support, for example by means of the Language Server Protocol.
- Knowledge of functional programming.
- Working experience with Xtend and/or Eclipse EMF.



- Experience with Kubernetes and web technologies.

We offer an attractive compensation based on experience and skills, flexible working hours, and training opportunities.

Please send your complete application to: Mr Patrizio Contu, CTO, (including CV with photo, references) 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:	Software Engineer
Sector:	Software