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# Role details

## Software Engineer – Distributed Systems

### Summary

Engineering

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Experienced Professional

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Munich, Germany

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We're Celonis, the global leader in Process Mining technology and one of the world's fastest-growing SaaS firms. We believe there is a massive opportunity to unlock productivity by placing data and intelligence at the core of business processes – and for that, we need you to join us.

### The Team:

The Core Mining Engine teams are responsible for evolving our proprietary in-memory analytical database to our cutting-edge Premium Process Query Engine, that empowers our customers to perform process mining on large datasets. It is the backbone of Celonis' Execution Management System (EMS) platform, which helps thousands of customers optimize their business processes and operations.

### The Role:

As a member of the Core Mining Engine team you will work on our analytical database backbone, its load orchestration, as well as the Premium Process Query Engine. It is built on a microservice architecture, optimized to process large amounts of data. You will address scaling problems and increase robustness.

### The work you'll do:

- Implement features in existing or newly created microservices using modern Java, Spring, RabbitMQ, Postgres and more
- Take ownership of features from design to operation
- Collaborate with various teams and coworkers to cope with rapidly increasing system workload
- Orchestrate our existing and future analytical database in the cloud by working on our microservices in charge of scaling and balancing the load
- Identify and eliminate bottlenecks in our current system to further improve our customer experience

### The qualifications you need:

- You have experience with writing scalable, reliable, and testable software
- You are experienced in Java. Python or C++ are a plus
- You know how to analyze complex systems

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have worked with the low-level building blocks of synchronization like semaphores, read-write locks, mutexes etc.

- First experiences with the Spring framework are a plus

### What Celonis Can Offer You:

- **Pioneer Innovation:** Work with the leading, award-winning process mining technology, shaping the future of business.
- **Accelerate Your Growth:** Benefit from clear career paths, internal mobility, a dedicated learning program, and mentorship opportunities.
- **Receive Exceptional Benefits:** Including generous PTO, hybrid working options, company equity (RSUs), comprehensive benefits, extensive parental leave, dedicated volunteer days, and much more. Interns and working students explore your benefits here.
- **Prioritize Your Well-being:** Access to resources such as gym subsidies, counseling, and well-being programs.
- **Connect and Belong:** Find community and support through dedicated inclusion and belonging programs.
- **Make Meaningful Impact:** Be part of a company driven by strong values that guide everything we do: Live for Customer Value, The Best Team Wins, We Own It, and Earth Is Our Future.
- **Collaborate Globally:** Join a dynamic, international team of talented individuals.
- **Empowered Environment:** Contribute your ideas in an open culture with autonomous teams.

### About Us:

Celonis makes processes work for people, companies and the planet. The Celonis Process Intelligence Platform uses industry-leading process mining and AI technology and augments it with business context to give customers a living digital twin of their business operation. It's system-agnostic and without bias, and provides everyone with a common language for understanding and improving businesses. Celonis enables its customers to continuously realize significant value across the top, bottom, and green line. Celonis is headquartered in Munich, Germany, and New York City, USA, with more than 20 offices worldwide.

Get familiar with the Celonis Process Intelligence Platform by watching this [video](#).

### Celonis Inclusion Statement:

At Celonis, we believe our people make us who we are and that "The Best Team Wins". We know that the best teams are made up of people who bring different perspectives to the table. And when everyone feels included, able to speak up and knows their

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Engineering

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