

# Intern with Micronaut/Graal Development Kit for Micronaut at the Database AI research group!

Are you looking for an exciting internship opportunity? If so, this might be the perfect fit for you. The Micronaut team at Oracle Database has an opening for an internship with **Graal Development Kit for Micronaut!**

In this role, you'll work with the Micronaut framework, an open-source, JVM-based, full-stack platform for building cloud-native microservices and serverless applications, and GDK, an extension that enhances Micronaut for developers using Oracle Cloud Infrastructure (OCI) and GraalVM.

## Oracle

Oracle, a global provider of enterprise cloud computing, is empowering businesses of all sizes on their journey of digital transformation. Oracle Cloud provides leading-edge capabilities in software as a service, platform as a service, infrastructure as a service, and data as a service.

Oracle's application suites, platforms, and infrastructure leverage both the latest technologies and emerging ones – including artificial intelligence, machine learning, blockchain, and Internet of Things – in ways that create business differentiation and advantage for customers. Continued technological advances are always on the horizon.

## Oracle Database & AI Research

The group explores a wide range of advanced technologies that shape the future of Oracle Database and its surrounding developer ecosystem. While AI and machine learning are key areas, the group also investigates cutting-edge topics in database systems, programming languages, developer tooling, cloud-native application frameworks, and performance engineering. Researchers pursue high-impact ideas, often high-risk or experimental, that may not fit within traditional product development but have the potential to influence Oracle's platforms and services at scale.

## Internship Details

We are offering an internship focused on building a modern, high-performance full-stack application that exposes advanced Oracle Database features through the Micronaut framework. You will work with JVM technologies to design, implement, and document RESTful services that interact efficiently with Oracle DB, gaining hands-on experience with enterprise-grade backend development. This internship provides practical exposure to database-driven application design, cloud-native Java frameworks, and clean API development practices.

We offer various topics based on your skills and interests:

- **Create Gradle and Maven plugins to generate Java Sources from JSON Schema loaded from Oracle Database Domain or JSON Duality View Definition**
- **Implement enhanced stack trace filtering in Micronaut development mode**
- **Additional fuzzing research for non-micronaut code**
- **Integrate IntelliJ and Testresource to allow automatically detecting datasources created by testresources in IntelliJ**

## Required Skills

The person stepping into this role is expected to complete the internship using a wide and diverse set of skills. In general, if you can tick several of the following skills, we probably have a place for you:

- Basic knowledge of Java or another JVM language (e.g., Kotlin)
- Familiarity with relational databases and SQL
- Understanding of REST APIs and HTTP concepts
- Experience with Git or other version control systems

## Internship Facts

The duration of the internship can vary based on your constraints. The usual duration is 6 months. We pay a competitive salary. The research topics listed are informative, we are open to suggestions depending on your skills and qualifications. By sending in your application, you opt-in for processing your personal information.

If this sounds like you, we hope to meet you!

## How to Apply

Please provide us with the following information to apply:

- Your CV or link to your home page containing your curriculum
- Description of your motivation and area(s) of interest
- Availability and preferred internship duration
- Preferred location

If available, please apply to this topic via the internship portal of your university. Alternatively, send an email with the aforementioned information to [labs-hiring\\_ww@oracle.com](mailto:labs-hiring_ww@oracle.com)

## About Us

As a world leader in cloud solutions, Oracle uses tomorrow's technology to tackle today's challenges. We've partnered with industry-leaders in almost every sector—and continue to thrive after 40+ years of change by operating with integrity. We know that true innovation starts when everyone is empowered to contribute. That's why we're committed to growing an inclusive workforce that promotes opportunities for all.

Oracle careers open the door to global opportunities where work-life balance flourishes. We offer competitive benefits based on parity and consistency and support our people with flexible medical, life insurance, and retirement options. We also encourage employees to give back to their communities through our volunteer programs.

We're committed to including people with disabilities at all stages of the employment process. If you require accessibility assistance or accommodation for a disability at any point, let us know by emailing [accommodation-request\\_mb@oracle.com](mailto:accommodation-request_mb@oracle.com) or by calling +1 888 404 2494 in the United States.

Oracle is an Equal Employment Opportunity Employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, sexual orientation, gender identity, disability and protected veterans' status, or any other characteristic protected by law. Oracle will consider for employment qualified applicants with arrest and conviction records pursuant to applicable law.

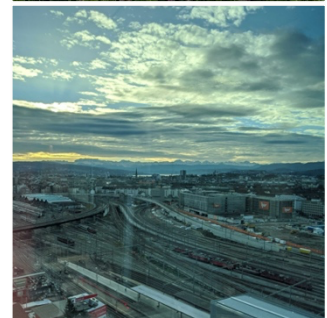


Image Caption 1. Our beautiful offices at Prime Tower in Zurich.