

Sinisa Milivojevic

Expert System Software Engineer

SUMMARY

Software engineer with a deep foundation in RDBMS design, including extensive experience in developing and bug fixing MySQL. Expertise in client-server protocols, lexical analysis, parsing, and SQL commands. Highly skilled in C and C++, with notable contributions like the MySQL++ API and software critical to the Mars Rover mission. Holds a BSc in Technology, with proficiencies in English, French, Italian, Greek, and Slavic languages. Recognized with numerous industry awards, including the 'MySQL Rock Star 2025'.

TECHNICAL SKILLS

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|---|---|
| Main Technical Skills | SDLC (27 yr.), Responsive Design, MySQL (27 yr.), Data Lake |
| Java Libraries and Tools | Java SE |
| AI & Machine Learning | LSTM |
| Security | Port Security |
| Databases & Management Systems / ORM | Data Lake, MySQL (27 yr.) |
| UI Frameworks, Libraries, and Browsers | Ant Design |
| Version Control | Git |
| Platforms | LCDP |
| UI/UX/Wireframing | Responsive Design |
| Methodologies, Paradigms and Patterns | SDLC (27 yr.), UML |

WORK EXPERIENCE

Senior Software Developer, MySQL Server Development and Maintenance

Duration: 2010-2025

Summary: Participation in the development and maintenance of MySQL server and its utilities, including the creation of client-server protocol, lexer, parser, and various SQL commands and utilities.

Responsibilities: Developing features for MySQL server, bug fixing, particularly in client-server protocol and server spin-locks. Approving patches for bug fixes in stable releases.



Technologies: MySQL, Client-Server Protocol, C API, Spin-Locks, C compiler standards 2017 & 2023, Algorithms

Senior Software Developer, MySQL Server Feature Development

Duration: 1998-2025

Summary: Continued work on system software

Responsibilities: Developing features for MySQL server and fixing bugs.

Technologies: MySQL, Server Features, Bug Fixing

Software Developer, MySQL Server and Utilities Creation

Duration: 1998-2008

Summary: Co-development of MySQL server and utilities with Micheal Widenius, creation of client-server protocol, lexer, parser, and various SQL commands and utilities.

Responsibilities: Single-handed development of MySQL server and utilities, creation of client-server protocol, lexer, parser, SQL commands, C++ API, and software for monitoring.

Technologies: MySQL, Client-Server Protocol, Lexer, Parser, C++ API, MySQL++

NASA Team Member, Mars Rover Project

Duration: Around 2003

Summary: Member of the NASA team for the Mars Rover project, responsible for porting the client-server protocol to vxWare.

Responsibilities: Porting the client-server protocol developed for MySQL to vxWare for the Mars Rover project.

Technologies: Client-Server Protocol, vxWare

Developer/Researcher, Unix GPL Products Development

Duration: 1990-1998

Summary: Development of various GPL products for Unix systems, including an improved fax server, data entry API, and a designer for the Unix shell.

Responsibilities: Creation of GPL products like fax servers, data entry APIs, and shell designers for Unix systems.

Technologies: Unix, Fax Server, Data Entry API, Shell Designer

EDUCATION

- **University of Belgrade, Institute of Technology**
- Bachelor of Sciences
- 1990-1998

CERTIFICATION

- **MySQL Rock Star 2025**



- Award for exceptional contributions to MySQL

