



## 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

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

#### 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

