

# ANDREJ MITROVIĆ

✉ andrej.mitrovich@gmail.com ⬤ Berlin ⬤ andrej-mitrović-11101598/ ⬤ andrej-mitrovic-sociomantic

## SUMMARY

I am a software developer with around 10 years of experience working on a variety of software, from popular open-source projects like programming language compilers, to working professionally on time-critical systems in small to medium-sized teams. I have experience in a variety of programming languages - both statically-typed and dynamic, and I consider myself to be mostly language-agnostic.

My motivation is to work in collaborative teams with a degree of freedom in decision-making, but at the same time with a clear mission and purpose of the company, and with it a desire to grow and attract new talent.

## EDUCATION

**Industry & Crafts, Croatia**  
Electrician 2009

2006 - 2009

## EMPLOYMENT

**Dunnhumby Germany, Software Engineer, Berlin** June 2018 - Current  
- Work on integration between the Sociomantic Labs (acquired company) and its data pipelines, together with the Dunnhumby data flow system - to allow the Dunnhumby expertise in data analysis to be used to improve the performance of Sociomantic's RTB business.

**Sociomantic Labs, Software Developer, Berlin** June 2014 - May 2018  
• Technologies used: The D programming language, an in-house Distributed Hash Table, MySQL, Docker, Jenkins (continuous integration), Icinga (alerts), Graphitus / Grafana (graph monitoring).  
• Development and maintenance of scalable, low latency real-time applications with high-reliability requirements in a worldwide distributed bidding network.  
• Work on implementing new features and bugfixes, and continuous deployment / maintenance / monitoring of a dozen different applications over the years.  
• Implementation of redundancy and auto-recovery subsystems in real-time applications which require zero downtime operation at all times.  
• Implementation of fraud detection algorithms and protection against replay attacks.  
• Implementation of a variety of tools for user data and application data analysis.

## SKILLS

**PROGRAMMING LANGUAGES:** D (10 years), C (2 years), C++ (2 years), Python (2 years)  
**TECHNOLOGIES:** Linux (5 years), Git (8 years) , Shell, MySQL, CI (Jenkins), Containers (Docker)

## PROJECTS

**The D Programming Language, and various open-source projects** 2012  
- Contributed to the D programming language compiler (DMD), its standard library (Phobos), and its documentation.  
- After extensive contributions, I was invited to and joined the D core development team in March 2013.  
- Worked on fixing compiler bugs and standard-library bugs, as well as the implementation of new features.

Some of my contributions (handle @AndrejMitrovic) are visible on:

- <https://github.com/dlang/dmd/graphs/contributors>
- <https://github.com/dlang/phobos/graphs/contributors>
- <https://github.com/dlang/dlang.org/graphs/contributors>

My overall open-source contributions can also be found here:

- <https://www.openhub.net/accounts/AndrejMitrovic>