

# Andrej Mitrović

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## 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

2003 - 2005

Electrician 2005

## 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 which allowed 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 - Current

- 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>