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   2006 - 2009
Electrician 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 (continous 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