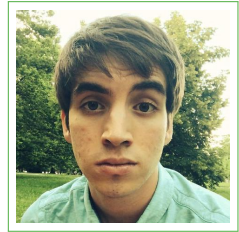


Jaka Šušteršič

Curriculum Vitae

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Education

- 2007–2011 **High School Diploma**, *Gimnazija Škofja Loka*.
- 2011–2015 **Bachelor's Degree in Computer and Information Science**, *Faculty of Computer and Information Science, University of Ljubljana, Slovenia*.
- 2015–2017 **Master's Degree in Computer and Information Science**, *Faculty of Computer and Information Science, University of Ljubljana, Slovenia*.

Bachelor's thesis

- Title *Continuous deployment of web applications*
- Summary Integration of a continuous deployment pipeline with an existing web application and automatic provisioning of its infrastructure with Chef.

Master's thesis

- Title *Enhancing the continuous deployment pipeline by shadowing production requests*
- Summary Development of a software solution for automatic detection of regressions in new web application releases, based on *duplication of production requests* and *comparison of web responses & metrics*.

Experience

Personal projects

Promet.me.

A web application for displaying traffic events in a user's vicinity developed with the Ruby on Rails framework. It consists of a web interface (<https://promet.me>) and an API for the corresponding iOS application *Ceste*. Development also included the following:

- *a continuous deployment pipeline* (<https://github.com/uncoverd/promet>).
Unit, integration and acceptance tests, checks for dangerous database migrations, backup of the production database, update of the staging database with production data, release deployment and smoke test checks in both the staging and production environment.
- *Application infrastructure provisioning (Chef) and development infrastructure provisioning (Vagrant).*
- *Zero downtime releases.*
- *Automatic regression detection based on production request shadowing* (https://github.com/uncoverd/shadow_diff).
 - Request shadowing proxy (EventMachine);
 - Rack middleware for including performance metrics in web responses;
 - Web dashboard for managing and analyzing shadowing results;
 - Master-slave database replication using Bucardo;
 - Integration with Github pull requests.

Technologies used: Nginx, Varnish, Puma, Sidekiq, Redis, Rspec, Capistrano, Capybara, Rgeo, New Relic.

Ceste (engl. Roads).

iOS application for notifying users of traffic events in their vicinity in real-time. Accessible on the App Store (<https://itunes.apple.com/si/app/ceste/id910008557>) and Github (<https://github.com/uncoverd/cesteapp>).

Technologies used: Objective-C, CocoaPods and New Relic.

Dežnik (engl. Umbrella).

iOS and watchOS application for notifying users of precipitation in their vicinity.

Technologies used: Objective-C and CocoaPods.

Languages

Slovenian **Native language**

English **Highly proficient in spoken and written English**

Software development proficiency

Programming languages Good knowledge of Ruby. Basic proficiency in Objective-C, Python, Java and C.

Web technologies Ruby on Rails, JavaScript, Turbolinks, HTML5, CSS, Bootstrap.

Mobile platforms	iOS and watchOS.
Databases	Frequent use of relational databases (Postgres, MySQL) and some experience in NoSQL databases (Cassandra). Some experience with master-slave replication mechanisms (Bucardo).
Other	Good knowledge of the Bash shell. Frequent use of Chef and Vagrant. General knowledge of OpenStack cloud computing platform.

Personal traits

- I am precise and thorough,
- I have good work ethic and work efficiently,
- I am motivated to learn new tools and embrace new methods,
- I tend to think about hard problems as challenges.