

SOFTWARE DEVELOPER

MR DENISS BOHANOVŠ

E-MAIL: DEN.B@ITSERVICESGROUP.CO.UK

GITHUB: [HTTPS://GITHUB.COM/VIOLEINTR](https://github.com/violeintr)

LINKEDIN: [HTTP://WWW.LINKEDIN.COM/IN/DENISSBOHANOVŠ](http://www.linkedin.com/in/denissbohanovs)

STACKOVERFLOW:

[HTTP://STACKOVERFLOW.COM/USERS/3275748/VIOLEINTR](http://stackoverflow.com/users/3275748/violeintr)

SKILLS

GREAT AT:

- OBJECT ORIENTED PRINCIPLES
- WRITING USER STORIES
- BRAINSTORMING
- COLLABORATION
- LEARNING NEW THINGS
- TDD/BDD TESTING

GOOD AT:

- API INTEGRATION
- MYSQL
- POSTGRESQL
- MONGODB
- RUBY
- RUBY ON RAILS
- JQUERY/JAVASCRIPT
- BASH
- DOCKER
- VAGRANT

IN PROGRESS:

- COMPTIA PENTEST +
- ERLANG/ELIXIR
- C++
- PYTHON
- AWS SERVICES
- PUPPET
- TERAFORM

EDUCATION

ACADEMIC:

THE BALTIC INTERNATIONAL ACADEMY

2002 – 2005 (LATVIA, RIGA)

- IT SYSTEMS IN ECONOMICS, BUSINESS ANALYST.

RIGAS TEHNISKA UNIVERSITATE

1999 – 2002 (LATVIA, RIGA)

- BACHELOR OF ENGINEERING (BENG), INFORMATION TECHNOLOGY.

OTHER:

- COMPTIA LINUX+
- COMPTIA SECURITY+
- EC COUNCIL CEH
- PENTESTER LAB

EXPERIENCE

SOFTWARE DEVELOPER @ THIRDSPEACELEARNING

OCT 2017 – PRESENT

- DEVELOPING NEW FEATURES, IMPROVING CODE BASE.
- REFACTORING RUBY CODE,
- WRITING TESTS/SPECS FOR EXISTING FUNCTIONALITY.
- FIXING BUGS DEVELOPMENT/PRODUCTION
- INVOLVED IN WEB SECURITY

RECENT PROJECT:

ENCRYPT JWT WITH STRONG ALGORITHM.

CURRENT SETUP:

SENSITIVE DATA ENCODED AND SIGNATURE VERIFIED WITH JWT. COOKIE SET AND SENT TO THE BACK END FOR USER AUTHENTICATION.

TOOLS:

- RUBY
- RUBY ON RAILS 4
- NODE JS (ES 6)
- NPM LIBRARIES (NODE EXPRESS, PASSPORT, JWT..)
- DYNAMO DB
- DOCKER
- RUBY GEM JWT (JASON WEB TOKEN)

TARGET:

DURING THE LOGIN PROCESS JWT DATA IS EXTRACTED FROM COOKIE AND DECRYPTED WITH A STRONG ALGORITHM.

WHEN COOKIE DATA IS DECRYPTED AND DECODED WITH JWT, USER SHOULD BE AUTHENTICATED AND COULD USE THE APPLICATION.

SOFTWARE DEVELOPER @ WAYVE LTD

AUG 2015 – APRIL 2017

- REWRITING EXISTING ADTRAFFICKER APPLICATION
BACK END (RUBY ON RAILS, MYSQL):
CREATING FUNCTIONALITY RESPONSIBLE TO CONNECT AND EXTRACT DATA FROM MONGODB, WAS USED MONDOID GEM.
- MYSQL DATABASE USED FOR MAIN DATA STORAGE
- MONGODB DATABASE USED FOR ANALYTICS DATA STORAGE
FRONT END (SPINE JS LIBRARY):

COLLECTED DATA WAS PRESENTED IN A JSON FORMAT, SPECIALY CRAFTED FOR FRONT END.

THEN DATA WAS MANIPULATED AND SHOWN IN GRAPHS:

WAS USED 1. **D3-JS**, 2. **GOOGLE GEO CHARTS**, 3. **AM CHARTS** LIBRARIES.

- DEVELOPING NEW FEATURES, IMPROVING CODE BASE.
- REFACTORING RUBY CODE, WRITING TESTS/SPECS FOR EXISTING FUNCTIONALITY.
- DEPLOYING SERVERS USING CAPISTRANO
- CONFIGURING CIRCLE-CI
- DEPLOYING APP FEATURES TO HEROKU (REVIEW APPS)
- EXTRACTING COMMONLY USED CODE INTO GEM, SO IT COULD BE USED IN DIFFERENT GIT REPOSITORIES.
- FIXING BUGS DEVELOPMENT/PRODUCTION

RECENT PROJECT:

STORE WEB STATISTICS DATA IN AWS REDSHIFT CLUSTER DB.

CURRENT SETUP:

ANALYTICS DATA STORED IN MONGODB.

DATA PROCESSED IN QUEUES BY USING SIDEKIQ AND REDIS.

TARGET:

EXTRACT DATA FROM APACHE WEB SERVER LOG FILE AND WRITE IT TO AWS REDSHIFT CLUSTER DB.

TOOLS:

- RUBY
- RUBY ON RAILS 5
- FLUENTD SERVICE [HTTP://WWW.FLUENTD.ORG/ARCHITECTURE](http://www.fluentd.org/architecture)
FLUENTD PLUGINS (NEEDED TO CONNECT TO AWS REDSHIFT, TO PARSE URI LNKS FROM LOG FILE, EXTRACT DATA (LIKE DATE, IP_ADDRESS, STATUS_CODE, USER-AGENT.. ETC.) TO SECTIONS.

TO MAKE IT POSSIBLE WAS USED 'FLUENTD' SERVICE.

FLUENTD IS AN OPEN SOURCE DATA COLLECTOR, WHICH LETS YOU UNIFY THE DATA COLLECTION AND CONSUMPTION FOR A BETTER USE AND UNDERSTANDING OF DATA.

RESULT:

BY STORING ANALYTICS DATA IN AWS REDSHIFT CLUSTER DB, WAS REDUCED COST FOR THE MAINTENANCE, IMPROVED CODE BASE AND PERFORMANCE (NEW NODE COULD BE ADDED INSTANTLY TO THE CLUSTER AT ANY TIME WITH NO PROBLEM AND WITH NO DOWNTIME).

EXPERIENCE

ROR DEVELOPER @ MEET AND JAM LTD

JAN 2015 – APR 2015 (CONTRACT)

WORKING CLOSE WITH LEAD DEVELOPER TO IMPROVE USER EXPERIENCE DURING SIGN IN PROCESS TO THE APP.
IMPLEMENTING SOCIAL MEDIA FEATURE USING FACEBOOK OPENGRAPH.
IMPROVING SEARCH ENGINE BY USING SUNSPOT GEM.

TOOLS:

- RUBY ON RAILS 4,
- GOOGLE MAPS API
- FACEBOOK OPENGRAPH
- ANGULAR JS 1.8
- REQUIRE JS
- ONION JS

JUNIOR ROR DEVELOPER @ THE RINGLEYS GROUP

JAN 2014 – JAN 2015

SUPPORTING EXISTING APPS AND DEVELOPING NEW ONE.
WORKING CLOSE WITH MANAGEMENT IN ORDER TO WRITE TECHNICAL SPECS,
DEVELOPING/IMPROVING APP FEATURES.

TOOLS:

RUBY ON RAILS VER 1, 3, 4