Mihai Dincă - Resume

Contact

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Summary

The technology involved in the projects I've worked on was/is:

- Python frameworks: Flask, Zope, Django
- Postgres, hstore, MongoDB, Redis
- Javascript (Backbone-js, Underscore-js, JQuery, Highcharts)
- Jinja as template engine for Flask, ZPT and DTML for Zope and Handlebars for JS
- Jenkins, Sentry
- GIT and SVN (through git-svn)

Experience

Web Developer - Freelancer

October 2013 – Present

- Working to improve the API for a commercial Django service to allow integration with clients and partners.
- Identifying and refactoring the key aspects of the application before they turn into a huge drawback for extending the service.
- Participating in improving the development workflow to allow Continuous Integration.

Projects

Video Interviewing Platform

- stack: Django, MySQL, Celery
- **my contribution:**

  - build the API using Django Rest Framework
  - improve the permission system
  - refactor and fix large parts of the code
  - improve the development workflow
  - fix bugs
  - implement new functionality
  - add BDD style tests for permissions to serve as documentation

Hotel Maintenance Platform

- **stack:**

  - frontend: backbone.js, marionette.js, coffeescript
- **my contribution:**

  - build a calendar application to show the hotel rooms and their state
  - implement filtering and sorting capabilities
  - create a state machine wizard to allow json configuration of the states

AgriPlace

- stack: Django, Angular.js, MySQL, coffescript
- **my contribution:**

  - add various features based on the client's specifications
  - build the API
  - add functional tests
  - small frontend contribution (Angular.js)

Wed Developer - Eau de Web

April 2012 – October 2013 (1 year 7 months)

Projects

Digital Agenda

- sources: https://github.com/eaudeweb/scoreboard.visualization
- **stack:**

  - frontend: backbone + highcharts
  - backend: Plone (python framework) and Virtuoso(RDF database)
- **my contribution:**

  - develop chart customization wizard features (frontend)
  - develop json configurable chart types (frontend)
  - process and prepare data before passing it to charts (frontend)
  - add required API backends (backend)
  - write SPARQL queries to retrieve data from DB using Jinja templates (backend)

Central Data Repository

- sources: https://github.com/eea/Products.Reportek
- stack: Zope (python framework)
- **my contribution to the project:**

- develop new features based on the customer's specifications
- refactoring old code
- convert DTML templates to ZPT
- customer support and bug fixing

Central Data Repository Converters

- description: internal API service for convertion of files between various formats
- sources: https://github.com/eea/reportek-converters
- stack: Flask (python microframework)
- **my contribution:**
    - create the API
    - support JSON configuration
    - integrate with [Central Data Repository]
    - migrate the existing conversion tools and scripts to the service
    - tweak and create new converters (eg: convert map files to jpg)

Education

University Politehnica of Bucharest

2002 – 2008

Engineer's degree, Electrical, Electronics and Communications Engineering