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(LinkedIn)

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(Company)

orcid.org/0000-0002-8940-898X
(Portfolio)

github.com/adrianp (Portfolio)

Top Skills

Software Engineering

Web Applications

Technical Communication

Languages

German (Limited Working)

French (Elementary)

Romanian (Native or Bilingual)

Certifications

AWS Certified Solutions Architect -
Associate

Certificate in Advanced English
(CAE)

Publications

Current Issues In Research Output
Management

Companion - An Intelligent Agent
Architecture

Data Storage

Targeted Annotation of Scientific
Literature and Data Resources in
Invenio Digital Libraries

RDF-Based Workflows for the
Figshare Research Data Repository

Adrian-Tudor Panescu

Software Engineering Professional, Ph.D. Candidate
Iași

Summary

I am a Computer Science graduate and software development professional, my interests including the fields of Web Applications and Services, Software Engineering, and scholarly communications. My experiences involved working in international teams, ranging from small startup ventures to large organisations, the focus being on obtaining high quality results under strict time constraints.

Experience

figshare

Lead Software Engineer

February 2016 - April 2020 (4 years 3 months)

Iasi County, Romania

As the lead for Figshare's implementations, support, and migrations team I supervise development activities focused on integrating Figshare's research outputs (articles, datasets, scientific software) sharing platform with institutional customers' systems (storage, authentication, data preservation, etc.). Another focus relates to data migrations, my team developing and operating a framework for transferring bibliographical records from legacy systems to Figshare. Technical communication with clients, vendors and sales team is directly handled by me and my team, with the aim of reducing turnaround.

Other activities focus around investigating aspects of scientific research communication, dissemination and preservation, such as metadata practices, research ecosystem interoperability, or repository certifications; the aim here is to help the development team design solutions which better fit the business domain and customers' needs.

Technologies: Python, MariaDB, RabbitMQ, Amazon Web Services, Elasticsearch, LXC, Shibboleth, Jenkins Continuous Integration, Git.

Cynny Social Cloud

Lead Software Engineer

May 2014 - November 2015 (1 year 7 months)

Iasi County, Romania

Supervised and actively contributed to the design, research, architectural overview and development of a Web application aiming to revolutionize content sharing.

Activities: software development, architectural design, release management, team building, technical interviewing, outreach.

Technologies: JavaScript (ECMAScript 6 and 7 via Babel.js, ESLint/ JSHint, Grunt, Bower, Browserify, WebGL with Pixi.js, Mocha, Google Closure Tools, NodeJS, NPM), HTML 5 APIs, Git, JIRA.

European Organization for Nuclear Research (CERN)

Research And Development Engineer

October 2013 - March 2014 (6 months)

Geneva Area, Switzerland

Extended existing facilities and implemented new features for commenting and annotating scientific literature and data resources in the context of the Invenio digital library software platform and high-energy physics collaborations. This work was part of my Master thesis.

Also brought miscellaneous contributions to Invenio version 2, and maintained and developed labs.invenio-software.org.

Technologies: Python (Flask, Jinja2), JavaScript (jQuery, Grunt, Bower, JSHint), HTML5 (Bootstrap v2/v3), JSON-LD, MySQL, MongoDB, Redis, Scientific Linux 6, Apache 2, Travis Continuous Integration, Git.

NEC Laboratories Europe

Research And Development Engineer

February 2013 - July 2013 (6 months)

Heidelberg Area, Germany

Research and development activities in the area of Internet Services, namely analytics and advertising for the Web, mobile, and IPTV platforms.

Technologies: JavaScript (Node.js, jQuery, SockJS, Underscore.js, D3.js, Cytoscape.js, JSHint), HTML5 (Bootstrap v2, WebSocket), Java SE (Storm stream processing engine, Maven), MongoDB, Redis.

Sommerical Networks UG

Web Developer

July 2010 - September 2010 (3 months)

Berlin Area, Germany

Developed components of a social web application aimed at connecting SMBs with their customers.

Technologies: Python (Django), JavaScript (jQuery), MySQL, SVN, Trac.

"Lifelong Learning Programme - Erasmus" Grant.

Education

Universitatea Tehnică „Gh. Asachi” din Iași

Doctor of Philosophy (Ph.D.), Computer Science · (2016 - 2020)

Ecole polytechnique fédérale de Lausanne

M.Sc., Computer Science · (2011 - 2014)

Universitatea „Alexandru Ioan Cuza” din Iași

B.Sc., Computer Science · (2008 - 2011)

30.09.2020

Adrian-Tudor Panescu

