DAMIAN ŚWISTOWSKI

PERSONAL INFORMATION

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I am software developer with 10+ years of experience in the industry. I have worked on a wide range of projects, from small web applications to large enterprise systems. I am a polyglot programmer, but I have a particular interest in python, typescript and distributed systems.

I am a strong believer in a lean and agile approach to software. For me software development is solving problems, not just writing the code. I am a strong advocate of the XP values and principles.

SOLID and DRY are my main architectural principles. There is no silver bullet, but continuous integration, continuous delivery allows to increase both throughput and quality.

WORK EXPERIENCE

2022-Present   Staff Engineer

Babylon Health
London

Design and build 3rd generation of Babylon conversation platform (async messaging)

Design GraphQL API for north traffic

Design Rest API for west-east traffic

Create Conversation Platform Test Runner, a tool for defining requirements and tests in Domain Specific Language. COpTeR provides abstraction to have stable acceptance tests for whole product, with fraction less integration with Babylon testing infrastructure

python · fastapi · k8s · elasticsearch · kafka · react native · typescript

2020-2022   Engineering Manager

Babylon Health
London

Manage 3-6 direct reports, depending on the team size

Work closely with stakeholders and product managers to define roadmap and priorities

Replace 1st generation of the Babylon conversation platform with 2nd generation without a big bang

Make sure SSDLC is followed and that the team is following best practices

Put pressure on the business to make sure my team have enough time to not cumulate too much technical debt

Put pressure on the team to make sure what they deliver is aligned with the client's needs

Do pairing sessions with team members to make sure knowledge is shared

Build state storage format for conversation state to with delta layers allowing undo peration. The state is strongly typed and schema changes were handled automatically and in a safe manner

python · flask · k8s · postgres · redis · kafka

2019-2000   Senior Software Engineer

Babylon Health
Part of the design team which created the migration plan from 1st generation
LONDON
of the Babylon conversation platform (monolith) to 2nd generation
(microservices)

Create various CLI tools used by the team and other teams to make
integration with the Conversation Platform easier

python • flask • k8s • postgresql • redis • kafka

2019   Senior Software Engineer

B2C2
Created the Trade History collecting system
LONDON

REST API crawler was created as cloud task, raw data were processed with a
set of stateless procedures

python • aws • lambda • sqs • elasticache

2017-2019   Senior Python Developer

Springer Nature
Build and iterate internal CI/CD system and tooling
LONDON

Migrate legacy code to python 3

Define build pipelines used by other teams with an easy definition of build
steps

Develop tooling for Cloud Foundry deployments

python • OpenStack • celery

2015-2017   Senior Engineer

Shortlist
Developing the backend for the workforce management platform project
SAN FRANCISCO
(REMOTE)
Cooperate with frontend engineers to define usable REST API

Design and implement a data model for the system

python • django • postgresql • django rest framework • javascript • angular

2012-2015   Senior Python Developer

ZedMedia
Maintain a Django-based application
GLOBALLY
(REMOTE)
Implement a scoring algorithm for articles to be present in a different part of
the service

Extend and maintain database models

Create tools for easy A/B tests

python • django • postgresql • javascript • perl

2010-2012   Senior Python Developer

Intelligent Elite
Create an A/B testing suite with detailed statistics about user behaviour
BARCELONA

Improve the mailing system

python • django • postgresql • solr • mongodb

2008-2010   Python Developer

OMS
Design and implement a production management system
BIELSKO-BIAŁA,
POLAND

Managing a team of 4 junior engineers

python · django · mysql

2007-2008   PHP Junior developer

Gery Design
WROCŁAW,
POLAND

Migrate old PHP projects to the Django framework

Maintenance and optimization of existing projects

php · javascript · python · django · None

EDUCATION

2005 - 2007   The University of Silesia, Katowice

*Master of
Computer Science*

· Computer Science and Materials Science
Thesis: *Particle Swarm Optimization in funding function minimum*

2002 - 2005   The University of Silesia, Katowice

*Bachelor of
Computer Science*

· Computer Science and Materials Science
Thesis: *Developing an electronic repository for undergraduate theses*

PUBLICATIONS

2006   Comparative Study: ACO and EC for TSP

kaeiog

The paper concentrates on the Traveling Salesman Problem solved by
evolutionary and ACO algorithms

OTHER INFORMATION

*Communication
Skills*

2019 · PyCon UK
c?attrs how use it with rest microservices

Interests   Hiking · Social dancing · Cooking · Video Games