

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

Genie AI
LONDON

2023-Present **Software Engineer**

Work on backend services, improve testability.

Implementing integrations with various exchanges

Extending portfolio of calculated asset metrics, make sure they are calculated in efficient way

python • fastapi • k8s • elasticsearch • postgresql • react • typescript

Babylon Health
LONDON

2022-2023 **Staff Engineer**

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

Babylon Health
LONDON

2020-2022 **Engineering Manager**

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 operation. 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
LONDON

Part of the design team which created the migration plan from 1st generation 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
LONDON

Created the Trade History collecting system

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
LONDON

Build and iterate internal CI/CD system and tooling

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
SAN FRANCISCO
(REMOTE)

Developing the backend for the workforce management platform project

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
GLOBALLY
(REMOTE)

Maintain a Django-based application

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

Intelligent Elite
BARCELONA

2010-2012 Senior Python Developer
Create an A/B testing suite with detailed statistics about user behaviour
Improve the mailing system
python · django · postgresql · solr · mongodb

OMS
BIELSKO-BIALA,
POLAND

2008-2010 Python Developer
Design and implement a production management system
Managing a team of 4 junior engineers
python · django · mysql

Gery Design
WROCLAW,
POLAND

2007-2008 PHP Junior developer
Migrate old PHP projects to the Django framework
Maintenance and optimization of existing projects
php · javascript · python · django · None

EDUCATION

Master of
Computer Science

2005 - 2007 The University of Silesia, Katowice
· Computer Science and Materials Science
Thesis: *Particle Swarm Optimization in finding function minimum*

Bachelor of
Computer Science

2002 - 2005 The University of Silesia, Katowice
· Computer Science and Materials Science
Thesis: *Developing an electronic repository for undergraduate theses*

PUBLICATIONS

kaeiog

2006 Comparative Study: ACO and EC for TSP
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