

Deyan Dobrinov

I am a software developer with more than 14 years of professional experience. In the past several years I am mostly working on Ruby/Rails web projects. I believe that every complex problem has a simple solution, which could be found if you understand where the complexity comes from. I enjoy doing that. I like good UX, and I fight for it.

Experience

Dext

<https://www.dext.com/>
May 2016 - Present

Dext is my current employer. It is a company developing products for more efficient accounting and bookkeeping. Lately, I am spending my time there on the development of various high-profile projects.

Development lead

I am currently a direct report of the CTO. I lead a small team involved in projects that aim to improve system design (strategic refactoring, major updates, etc.).

Major achievements:

Migration to a new technology stack

Led a team of 8 which goal was to introduce a new front-end technology stack for Dext's main application. As part of this task, we had to re-write a big part of the application in React + Typescript and consume a newly created GraphQL API. As incremental releases were not possible here, one of the big challenges was to roll out the end result with a low amount of risk.

Technologies: Typescript, React, GraphQL, Ruby on Rails, Ruby, SASS, Ruby Slim

Implementation of an internal CSS design library

We re-designed (at that time our main product), and since we became a multi-product company we wanted to have the same look and feel across all of our applications. Because of this, we decided to create our own CSS design library.

Technologies: Storybook, SASS, React, Typescript

Team lead

I led a team of 2 software engineers and 1 QA. It was responsible for the application on which I worked during my previous role.

Major achievements:

Implementation of a tool for extracting tabular data from OCR responses

We needed a way to extract line items and bank transactions more efficiently. Such type of information is usually organized in a table. I came with the idea to overlay the OCR data over the payment document image and make it possible to be selected. Then using simple mathematics I was able to recognize the rows and colls of the table and extract information out of them.

Technologies: Raphaël, JavaScript, Backbone.js

Improved the data extraction capabilities of the application

Implemented flows for extracting transactions from bank statements,

line items from receipts and invoices, splitting of PDFs containing multiple financial documents.

Technologies: Ruby on Rails, Ruby, PostgreSQL

Replaced custom search implementation with Elasticsearch

One of Dext's internal applications keeps information about the relationship between brands, legal entities and other properties of a company. It helps us identify that two (or more) financial documents are issued by the same business. It had search functionality based on PostgreSQL features which was too complex and not working very well. I replaced it with Elasticsearch and the application became a thin layer and a UI around the search engine.

Technologies: Ruby on Rails, Ruby, Elasticsearch

Software engineer

I worked for a while on Dext's main product and then my main goal became to extract part of it which was dealing with manual (done by people) data extraction into a separate service.

Major achievements:

Extracted part of a monolithic application into a service

We identified that part of our main monolithic application dealing with manual data extraction can be organised into a separate service. I performed the task and delivered the end result in series of incremental releases.

Technologies: Ruby on Rails, Ruby, SASS, JavaScript, Backbone.js, PostgreSQL

Funding Circle

<https://www.fundingcircle.com/>
March 2015 - May 2016

Funding Circle is a British peer to peer lending platform. I was part of a team responsible for technical debt. Most of the time I was investigating bugs and refactoring legacy code.

Software engineer

I was part of a team which was dealing with legacy code. My main responsibilities were refactoring old code and investigating and fixing production issues.

Major achievements:

Prototype of a monitoring system

Evaluating and deploying a prototype of an open source monitoring tool based on Riemann.

Technologies: Clojure, Riemann

Migration from Resque to Sidekiq

I performed a migration of the library which we were using for background job processing.

Technologies: Ruby on Rails, Ruby, Redis

Secret

<https://www.secret.de/>
October 2011 - March 2015

Secret.de (not operating anymore) was a "casual" dating website. It was ran by FriendScout24 and targeted to German speaking countries (Germany, Austria, Switzerland). It was a monolithic Ruby on Rails application with MongoDB database and Elasticsearch

search engine. The most interesting thing about it was that the website had to be fully operational with disabled JavaScript but at the same time it had significant amounts of it. It also supported browser versions down to Internet Explorer 7.

Frontend engineer

I was one of the two frontend engineers working on the project. I was mostly interacting with Rails view/controller code + the javascript and css of the application.

Major achievements:

Implementation of gamification features

The product was heavily relying on gamification features to sell an internal currency with which the users were able to pay for features. My most interesting tasks were the implementation of two games "Whell of fortune" and "Slot machine".

Technologies: Ruby on Rails, Ruby, JavaScript, SCSS

SAP

<https://www.sap.com/>
April 2007 - October 2011

SAP AG is one of the biggest producers of enterprice software in the world. Most of the time there I was responsible for the tooling required for the internationalization of an application server (NetWeaver) developed by the company.

Software engineer

Major achievements:

Migration of an internal knowledge base system from MediaWiki to Confluence

We decided to move away from MediaWiki and my job was to implement a tool and use it to migrate our documentation to Confluence.

Technologies: PHP, Java

Education

New Bulgarian University

<https://nbu.bg/>
October 2008 - May 2011

Informatics

Sofia University

<https://www.uni-sofia.bg/>
October 2006 - May 2008

Applied mathematics

Side projects

JsonMe

<https://www.jsonme.com/>
September 2021 - Present

JsonMe is a web application allowing software engineers to maintain a resume in json format and keep it in their Github/Gitlab profile. The CV that you are looking at the moment is generated with it.

Textstandup

offline
August 2019 - June 2020

Web application for text based stand-ups. I was not happy with the efficiency of the stand-up meetings so I started doing them in a text form in my team. This was working well so I wrote a web application for this. More about the motivation behind the project could be found here - <https://medium.com/@ddobrinov/text-based-stand-ups-de741fa6c724>.

DEV wanted

offline
May 2018 - June 2018

This was a website for jobs offering a referral bonus. Unfortunately it was more difficult than I expected to collect them and I was not able to use my main marketing channel (Facebook Ads), because it turned out that advertising jobs is considered as discrimination when you target based on age, gender, etc.

Carpass

offline
March 2016 - August 2020

Web application for maintaining a vehicle maintenance logs. I needed a tool to log the maintenance history of my car and I decided to build one. It is still being used by 3000+ people.

Technologies

self evaluation

Ruby

used recently
can mentor others
can solve difficult tasks
high knowledge of features
average knowledge of best practices

Ruby on Rails

used recently
can mentor others
can solve difficult tasks
high knowledge of features
average knowledge of best practices

Typescript

used recently
can mentor others
can solve difficult tasks
high knowledge of features
average knowledge of best practices

GraphQL

used recently
can mentor others
can solve difficult tasks
high knowledge of features
average knowledge of best practices

React

used recently
can mentor others
can solve difficult tasks
high knowledge of features
average knowledge of best practices

PostgreSQL

used recently
can mentor others
can solve difficult tasks
average knowledge of features
average knowledge of best practices

SASS

used recently
can mentor others
can solve difficult tasks
high knowledge of features
average knowledge of best practices

HTML

used recently
can mentor others
can solve difficult tasks
high knowledge of features
average knowledge of best practices

Storybook

used recently
can mentor others
can solve difficult tasks
average knowledge of features
average knowledge of best practices

Git

used recently
can mentor others
can solve difficult tasks
average knowledge of features
average knowledge of best practices

Javascript

used recently
can mentor others
can solve difficult tasks
high knowledge of features
average knowledge of best practices

Tailwind CSS

used recently
can mentor others
can solve difficult tasks
average knowledge of features
average knowledge of best practices

CoffeeScript

not used recently
can mentor others

Cypress

used recently
can mentor others

Bash

used recently
can't mentor others

Elasticsearch

not used recently
can't mentor others
can solve intermediate tasks
average knowledge of features
average knowledge of best practices

Redis

not used recently
can't mentor others
can solve intermediate tasks
average knowledge of features
average knowledge of best practices

Backbone.js

not used recently
can't mentor others
can solve easy tasks
poor knowledge of features
average knowledge of best practices

PHP

not used recently
can't mentor others
can solve easy tasks
poor knowledge of features
average knowledge of best practices

Clojure

not used recently
can't mentor others
can solve easy tasks
poor knowledge of features
average knowledge of best practices

Java

not used recently
can't mentor others
can solve easy tasks
poor knowledge of features
average knowledge of best practices

Location
Sofia, Bulgaria