



Alexey Dubovskoy

DEVELOPER AND EXPLORER

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Limerick, Ireland, 2015 onwards · Stamp 4

Meetyl Europe, Ltd

Limerick, Ireland

PRINCIPAL LEAD DEVELOPMENT ENGINEER

Jul 2017 - Apr 2019

- Designed and coded a Meeting System from backend to frontend supporting business requirements, including custom rules for invitations, recurrence, multiple time zones.
- Designed and coded a Payments System using Stripe API for running per-feature sales and supporting billing cycles, upgrades and cancellations.
- Explored, tested and communicated various architectural changes including designing an API, integration between frontend and backend, modularising and componentising code, finding suitable approaches for data management.
- Mentored team members to help them to upskill and develop their talents. Included observations, pair programming, running workshops, code reviews, facilitating brainstorming sessions, providing reading recommendations.
- Planned and managed the efforts of our CI build time-optimisation, reducing the average waiting time for builds from 4 hours to 30 minutes and average running time from 1 hour to 35 minutes without spending extra budget.
- Planned and managed changing frontend builds to use Bazel, reducing the round-trip time between saving code and seeing changes from over a minute to 10 seconds.
- Created services to make developers' life easier, including a UI-kit app, a system for catching and tracing errors, automatic security audits, in-house performance monitoring and others.

SENIOR SOFTWARE ENGINEER

Jul 2015 - Jul 2017

- Designed and coded advanced Permissions System based on custom algebra, assisting product per-feature sales.
- Designed and coded advanced secure Auths System for login, login as a person, quick login as an invitee without an account.
- Created an agent-based and ODE-based model of Meetings System for predicting user base growth.

SOFTWARE ENGINEER

Feb 2015 - Jul 2015

- Set up test environment allowing making major code changes easier.
- Migrated codebase from DataMapper to ActiveRecord, giving access to a wider range of external libraries and simplified codebase.

Main Benefits and Contributions to Employer:

- Architectural changes resulting in faster build times for new features
- Usage of Domain-Driven Design to reduce data inconsistency and simplifying usage for other developers
- An increased shared understanding of the codebase and development approaches
- Quicker and better feedback for developer changes
- Increased developer engagement leading to better code

Innovation

International

MY QUIET NEW CAR – FOUNDER/MANAGING OWNER

2019 - Now

- Modelled user persona to identify new buyer behaviour. Designed prototypes and user experience based on Ruby-on-Rails application. Collaborated with designer and copywriter. Launch and marketing campaign.

FILTERED – CREATOR/MAINTAINER

2019 - Now

- Discovered and developed an elegant Ruby gem based on a filtering approach in Ruby-on-Rails application. The gem was featured on HackerNews.

ALEFFA – FOUNDER/FULL STACK DEVELOPER

2013 - 2014

- Meta-search for holiday packages. I orchestrated an army of crawlers to solve a problem related to name reoccurrences.

CROSSFACTOR – FOUNDER/DATA SCIENCE SPECIALIST

2008 - 2014

- Researched and applied algorithms for extracting geological features from infrared satellite images. Data pre-processing (calibration, noise elimination), processing (supervised and unsupervised classification: k-means, nearest neighbour) and post-processing data for clients.

Freelance

Moscow, Russia

FULL-STACK RUBY-ON-RAILS AND JS DEVELOPER

2011 - 2015

- *GetTable: an online restaurant reservation service* (Full Stack Developer: Rails, AngularJS, PusherJS). Made it possible for call-centre people to avoid page reload and always see updated order lists.
- *Pulse.io: a service for monitoring developers' productivity* (Full Stack Developer: Rails, AngularJS, D3JS) Implemented advanced D3JS diagrams, integrated app with third-party code analytics tools (CodeClimate, GitHub) and command-line tools (git).
- *Trainsmart: a fitness web app* (Senior Front-end Developer. Stack: AngularJS). Implemented features on AngularJS and built CSS component framework tailored for the project and other reusable directive components.
- *Oma: an online marketing analytics service* (Junior Full stack developer: Rails, PostgreSQL, MongoDB, Elasticsearch, Redis, jQuery). I transferred an old code to a new design, built Ruby and JS reusable components.

FULL-STACK PHP DEVELOPER

2006 - 2011

- Developed 20+ business and e-commerce web sites. Based on popular systems like Magento, Bitrix, Wordpress, Joomla, Drupal.

Public presentations

Ruby Ireland Meetup

Dublin, Ireland

TALK <HOW I LEARNED TO STOP WORRYING AND LOVE THE VIEWS>

Jun 2019

Short Informal Mathematical Talks at University of Limerick

Limerick, Ireland

TALK <AGENT-BASED MODELING OF USER-BASE GROWTH AT MEETYL>

Nov 2017

European Association of Geoscientists and Engineers Conference KazGeo 2012

Almaty, Kazakhstan

TALK <A TECHNIQUE OF SPECTRAL MIXING PROBLEM SOLUTION>

Nov 2012

European Meeting of Environmental and Engineering Geophysics of the Near Surface Geoscience

Paris, France

TALK <A TECHNIQUE UTILISING A COMBINATION OF SUPERVISED AND UNSUPERVISED CLASSIFICATIONS IN SOLVING

GEOLOGICAL TASKS>

Sep 2012