

# ANTONI KARASAVOV

SENIOR SOFTWARE ENGINEER

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London, UK

## Summary

Results focused senior software engineer with over 10 years of experience in building web applications with Ruby on Rails backends and your favourite JavaScript framework on the frontend.

## Experience

### IGNITION WORKS / HSBC

**Site Reliability Engineer**, February 2021 — April 2021, London, UK

- Provide support to application developers for the CloudFoundry PaaS at HSBC.
- Troubleshoot and resolve issues with network connectivity - usually involved in helping app developers trace requests through the platform and surface problems by analysing logs.
- Reduce toil by improving foundation monitoring and formalise a policy for granting requests for increased quota, which is the first step towards automating the process.
- Improve health checks and Ops automation tasks by fixing bugs in the existing Concourse pipelines.
- Part of the on-call support rota.

### METROPOLITAN THAMES VALLEY HOUSING ASSOCIATION

**Senior Ruby on Rails Consultant**, February 2020 — February 2021, London, UK

Mentoring/Coaching part:

- Lead a team of two junior and a senior Ruby on Rails programmers through transitioning the development for a suit of applications from a third party agency to in-house.
- Help build the in-house team capabilities by mentoring, reviewing code, pairing with juniors and taking detours into Rails internals, while providing regular practical learning sessions, based on a chosen topic, e.g. REST APIs, HTTP protocol, Network programming, sockets, OSI model and some more theoretical topics, such as OOP, Composition, Interfaces, Dependency Injection, etc.
- Participate in transitioning work sprints where we've successfully transferred domain knowledge of the application to the internal team.
- Lead interviewee worksim sessions for a senior Ruby on Rails role.

Practical/Application coding part:

- Improve the handling of connections for a custom SQL Server library by introducing connection pooling
- Review and provide feedback on code affecting various parts of each application, like integration with third party APIs, payments, handling external service dependencies.
- Enhance test coverage and fix intermittently failing specs, which eliminates bad builds and boosts team confidence in the CI/CD.
- Pay back some tech-debt by modernising outdated libraries and refactoring some of the code used for handling data from their "middleware" and payment gateway applications, while taking the junior team through the process.

### CABOODLE STORAGE

**Senior Software Engineering Consultant**, January 2018 — December 2019, London, UK

- Build, test and deploy a user facing web application in Ruby on Rails and VueJS that enables customers to place online orders, request collections and returns, and manage a catalogue of their belongings.
- Cut payment gateway costs by implementing Stripe for payments processing and recurring billing.
- Integrate with DPD and other courier APIs in order to improve visibility and tracking of customer orders.

## Areas of expertise

ruby	ruby on rails	html/css/js
emberjs	vuejs	git
rspec	tdd	
postgresql	elasticsearch	aws
apis	agile	heroku
ui/ux		

- Build a bespoke Ruby On Rails warehouse management system which reduces warehouse management complexity with support for third-party app integration via exposing a fully documented and tested REST API.
- Build a small VueJS based electron print-server app that enables warehouse staff to encode RFID transponders and print labels to any printer in the facility from any one workstation.
- Achieve top loading speeds and a constant above 95% Google PageSpeed by continuously monitoring and optimising the Caboodle front-end.
- Drive customer engagement and increase retention by aiding the marketing team in running various A/B tests, optimising the checkout flow and implementing different measuring tools.

## **PLANDEK**

**Senior JavaScript Developer**, September 2016 — January 2018, London, UK

- Lead a front-end team in building a business intelligence EmberJS application on top of the company's existing data APIs and infrastructure.
- Increase usability and user engagement by developing a modular charting engine based on EmberJS components, service objects and D3.
- Cut down cycle times and dramatically reduce QA team's efforts by implementing a system that is capable of running different versions of the application by loading code from different Git branches.
- Proactively get involved in maintaining a Rails API-only app in order to aid faster customer onboarding.
- Report directly to product team and CEO, participate in weekly sprint meetings and contribute to overall improvement of the product.

## **ARTIRIX**

**Full-stack Web Developer**, May 2011 — September 2016, London, UK

- Work with a team of Ruby on Rails and Python developers for the complete re-write of DMGT's holiday sales website - MailTravel, which led to an 80% increase in conversions only a few months after the launch of the project.
- Increase the number of user-bookable holiday packages listed on the website by developing and testing integrations for various holiday provider APIs, including Newmarket Holidays and Riviera Travel.
- Provide ongoing support for a Ruby on Rails/Python/Elasticsearch platform which powers classifieds websites for clients such as Globrix, Estates Gazette, PropertyLink, Dow Jones, Teletext Holidays, Chestertons, KFH.
- Lead the front-end development for a rare disease startup RareMark. Work closely with the product team to improve usability and ease of finding relevant academic articles and papers. Front-end was built with a custom framework, based on BackboneJS.

## **VERTINITY**

**Junior Web Developer**, June 2009 — April 2011, Plovdiv, BG

- Enable faster idea-to-market delivery for company's clients by introducing and adopting MVC frameworks like CakePHP and OpenCart.
- Work on existing jQuery and framework-less frontends for large e-commerce clients in order to improve customer experience and increase conversions.
- Build and deploy custom PHP websites for various clients.
- Get invaluable mentorship from top engineers in the industry on various software development topics.

## **Education**

### **KINGSTON UNIVERSITY**

MSc Software Engineering, 2012

### **CITY UNIVERSITY OF SEATTLE**

