Tolga Paksoy *December 11, 1991*

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Rotterdam • The Netherlands

Summary

A curious individual with an interest in new programming languages/techniques and a passion for clean, readable and maintainable software (code). In his young years, Tolga was facinated with development of 3D games. Games finally had better graphics and more depth. This sparkled his thought and imagination on how things are programmed for use on a computer.

Once introduced to computer science in High School, Tolga set out to rewrite the system of exam second-chances written in PHP.

Graduated from High School, soon came the concepts of frameworks and libraries. Tolga was introduced to all the possible programming languages, like Java, Javascript, PHP and Assembly, to choose from. Learning more and more languages, his favourites became Ruby, Haskell and Scala. These languages helped him to think on a more abstract level when coding and encouraged to write clean, readable code.

These days, Tolga works, together with a companion, for his own company. Working on his own projects, with companies based in The Netherlands, trying to build their brands for the online world.

Current most interesting research topic for Tolga is: *making recurring businesses possible in Shopify*. Shopify inherently focuses fully on one-time Credit Card payments. In Europe, many residents do not own Credit Cards, and recurring businesses rely on storing banking information, which cannot be stored in Shopify. A lot of research has already been done on this topic by Tolga.

Experience

Paramander   DELFT, THE NETHERLANDS
Co-owner and developer   *Apr '16 – Now*
Paramander is aiming to become a company with a solution for any online problem. Technologies such as *Ruby on Rails*, *Laravel*, *Haskell*, *Elm* are of daily business. From strategy, until development, Paramander always aims to solve customer-centric issues together with their customers. During his time at Paramander, Tolga is a co-owner with his business partner Mats Rietdijk. Doing freelance work, and own projects to build up a company portfolio.

Project: Lendahand   ROTTERDAM, THE NETHERLANDS
Backend Developer   *June '19 – Now*
Lendahand is an online investment platform where socially conscious investors can invest in entrepreneurs and sustainable initiatives in emerging countries.
Their platform runs on two *Ruby on Rails* sites. A customer-facing frontend application and an administrative backoffice application.
An extensive API was built for Lendahand in order to allow third party sites to use the same investment platform. The platform was already well tested with a code coverage of 93%. The same code coverage was required when adding the investment API to Lendahand.

Project: Playbrush   VIENNA, AUSTRIA
Backend Developer   *Apr '19 – Now*
Playbrush is a business with a recurring payments platform. They offer electric toothbrushes packed with technology to aid in brushing correctly. Playbrush offers dental plans for the entire family.
Their shop runs on Shopify, and a custom app was (*and* is still being) developed in Ruby on Rails to interface with Shopify and handle recurring payments with Stripe. This custom app allows European payment methods to be used. Stripe's new Billing platform is utilized to store subscription information. PayPal is also integrated into Stripe Billing by utilizing Braintree's API and Stripe out-of-band invoicing.

Project: Parfumado   AMSTERDAM, THE NETHERLANDS
Full-Stack Developer   *Jun '18 – Now*
Parfumado is also a business with a recurring payments platform. They offer a wide choice of perfumes which are delivered monthly. At already 15 thousand active customers (and growing), their business is running strong.
Their shop runs on Shopify, and a custom app was developed in Ruby on Rails to interface with Shopify and handle recurring payments with Mollie. Frontend interactive elements were developed using Vue.JS.

Project: Abel Sensors   Delft, The Netherlands
Full-Stack Developer   *Apr '17 – Jan '18*

Abel develops smart and wireless IoT sensors and services for remote monitoring. Their monitoring services provide an admin interface written in Laravel with a custom Javascript frontend. Using these sensors and monitoring services, bike parking zones and occupancy rate is fully digitalized with image recognition and a robust Laravel API. Every single parking spot can be monitored on a map for an multiple train stations in the Netherlands.

Project: Vakmedianet   Rotterdam, The Netherlands
Full-Stack Developer   *Feb '17 – Apr '19*

Vakmedianet is a print- and online-based magazine outlet. In total, there are 48 different magazines that are run through Vakmedianet. During this freelance work, together with Hoppinger (former workplace), 27 different websites were built and hosted in a *Ruby on Rails* frontend, and *Wordpress* backend. These 27 sites were built to be as user friendly as possible for editors. Hence the choice for Wordpress. And for scalability and user subscription management, viewing online articles, a Rails frontend was built with core functionality for these 27 sites living in a separate shared library.

Hoppinger   Rotterdam, The Netherlands
Full time web developer   *Mar '15 – Apr '16*

Hoppinger is an open source minded "full-service" internet agency. Working on a project tightly with a team, producing websites built on frameworks and CMSs like *Drupal*, *Wordpress*, *Ruby on Rails* and *Symphony*. At Hoppinger, learnt the DevOps principle in developing, testing and deploying code on multiple environments, all through the commmand line on the Linux terminal.

Erasmus MC Viroscience department   Rotterdam, The Netherlands
Bioinformatics internship   *Sep '14 – Mar '15*

Erasmus MC is a medical faculty and hospital in Rotterdam. The Viroscience department researches known and unknown viruses. During the internship, a project was worked on to apply data mining and machine learning on large DNA databases to learn and classify an algorithm to detect known and unkown viral DNA sequences. The distributed data platform Hadoop was used, together with computation frameworks *MapReduce* and *Spark*. The *Artifical Neural Network* machine learning algorithm was researched in depth.

Port of Rotterdam   Rotterdam, The Netherlands
Data architect   *Nov '13 – Feb '14*

The Port of Rotterdam provides functional and nautical operational information for a fast and secure arrival and departure from the Port. For school, we were given a large data set of ship track information (appr. 120 GB) and had to use *Big Data* frameworks to create a map of ship greenhouse gas emmisions during their track through the Port of Rotterdam.

Hoppinger   Rotterdam, The Netherlands
Part time web developer and an internship   *Mar '12 – Sep '14*

Hoppinger is an open source minded "full-service" internet agency. Working on a project tightly with a team, producing websites built on frameworks and CMSs like *Drupal*, *Wordpress*, *Ruby on Rails* and *Symphony*. At Hoppinger, learnt the DevOps principle in developing, testing and deploying code on multiple environments, all through the commmand line on the Linux terminal.

Education

Rotterdam University of Applied Sciences ROTTERDAM, THE NETHERLANDS

Bachelor degree in Computer Science *2011 − 2015*

Applied knowledge of Web frameworks like *Ruby on Rails* and *Symfony* for developing school projects. Finished the minor *Big Data/Open Data*. Picked up basic functional programming skills, primarily using *Haskell*, to expand his programming language list.

Technical University Delft DELFT, THE NETHERLANDS

Computer Science *(discontinued)* *2010 − 2011*

Lyceum Schravenlant SCHIEDAM, THE NETHERLANDS

VWO (pre-university secondary education) *2004 − 2010*

Skills

Technical expertise: 8 years of software design and implementation, with(in) a team. Agile methodologies (Scrum and Kanban), automated deployment and continuous integration (Hudson/Jenkins). Shopify Custom App Development. Recurring business models. Distributed solutions using Hadoop together with MapReduce and Spark. Enjoys writing Elm/Haskell/Ruby/Java/Android. Linux administration skills: Bash, Nginx, Docker, MySQL, PostgreSQL

Natural languages: Dutch *(country)*, English *(full professional proficiency)*, Turkish *(mother tongue)*, German *(limited proficiency)*.

Interests

Non-exhaustive and in alphabetical order: Android, Big Data, football/soccer, music, open source, software engineering (methodologies), typography (e.g. graphic design, LaTeX)