



IR. ADRIAAN DE BOLLE

+32 485 66 04 32

adriaandebolle@gmail.com

www.adriaandebolle.com

▶ Summary

Looking for an opportunity as **Solutions Architect, Project Manager, Business Analyst** or other.

▶ Employment

CTO AD INTERIM, RELOTRUST (STARTUP); BRUSSELS, BELGIUM — OCT 2019 - MAR 2020

- Building a corporate relocation management system (www.relotrust.com);
- Infrastructure from backend to frontend & manage student interns;
- AngularJS, NodeJS, ReactNative (javascript frameworks), setup AWS services.

My job at Relotrust was to build the corporate relocation management system which would form the basis of the business. I was responsible for the entire technical development and started by creating a static prototype developed with AngularJS and AWS Beanstalk. I also build a complete setup of NodeJS backend service from scratch using an AWS EC2 instance, AWS MySQL RDS and load balancer to redirect traffic routed from relotrust.com/api. To increase functionality we had to stop using the "fake backend" within the Angular project. To accomplish this I integrated the frontend prototype with the created API service to go from a static prototype to a fully functional, dynamic platform. To create a user-friendly environment for the end-user (expats) I developed a ReactNative mobile application and integrated it with the same API service. At the same time, I managed junior interns, guiding them through tasks related to further frontend development. Throughout the entire development process, the CEO and I also visited prospects and suppliers to understand their needs and integrate these insights with the ongoing development, adding extra functionality and features.

SOFTWARE ENGINEER, BAKERONLINE (SCALEUP); UTRECHT, NE — AUG 2018 - FEB 2019

- Accomplished reduction of on-boarding time by automating workflow (www.bakeronline.com);
- Business strategy, Sales & Marketing, Laravel PHP, Docker, keynotes (Erasmus for Young Entrepreneurs).

My task at BakerOnline was to optimize the onboarding of new clients onto the e-Commerce platform. Firstly, I had to map the current state of the onboarding process of new clients and internal workflow. Then I created a plan to reduce onboarding time and automate their internal workflow. I made a presentation showing the need for additional database requirements and visualized these needs using ERD (Entity Relationship Diagram) making it easier for non-technical people to understand the plan. Once everyone was on board I implemented the required backend changes to the existing PHP Laravel platform. I also implemented the required frontend changes using VueJS and blade templating. After this, I joined the sales team to gain hands-on Sales & Marketing experience including time-to-market, digital commercialization and more. This whole adventure was part of *Erasmus for Young Entrepreneurs* and I explained it on *Kanaal Z*, a Flemish tv broadcaster for economic news ([click this link to watch](#)).

VALUE STREAM ENGINEER, PALL (DANAHER); HOEGAARDEN, BELGIUM — FEB 2017 - FEB 2018

- Communicator between Production, Quality, Sales and Logistics (www.pall.com);
- Solved production breakdown by redesigning the procedure (assembly of single-use biocontainers);
- SAP, Visual Basic, Problem Solving Process (PSP).

As a value stream leader, I was the leading expert on two specific products (single-use bioreactors) and their process journey across different departments, from resources to sellable end-product. I used SAP to analyse BOM, planning, suppliers, and clients to facilitate process improvements. Because of a production breakdown, I redesigned the production procedure for the assembly of bio-containers and got production running again. I also automated the internal logistics process moving from physical paper to a shared drive excel form with integrated control, interfaces and customization using VBA. Due to an increase in demand, I also analyzed the production flow to find optimization opportunities. To implement the necessary changes for this optimization I

organized improvement projects and team workshops with experts and operators to find solutions . By doing this we increased weekly production output successfully, meeting the new demand.

GENERAL PROCESS OPTIMIZATION INTERN, BASF SE; LUDWIGSHAFEN, GERMANY — JUN 2015 - AUG 2015

- Interpret historical data of plant processes (www.basf.com);
- Formulate real-time energy efficiency in function of external and internal parameters;
- Programatic conditions, KPI visualization, large datasets (MES Siemens).

► Personal projects

UNBLND (FOUNDER), MEETING PLATFORM — 2019 - ONGOING (WWW.UNBLND.COM)

- Platform to meet people without superficial judgment, partner of AWS Activate;
- Automated proposals of relevant interest groups based on interests;
- Figma designs, laravel backend, Vue.js, Blade templating, ReactNative app development (in Beta).

The idea of UNBLND came to mind thanks to all the trouble and hassle my friends and I endured to find friends and dates with common interests. Online you can only find superficial dating apps. I believed it could be done differently, starting from interests instead of superficial pictures. This would mean you would meet people with common interests in group, creating a basis to start new and meaningful friendships. I started from a blank page imagining and then wire-framing the ideal app. I designed a prototype using Figma, an online design tool. The whole web platform is developed using the frameworks of PHP Laravel and VueJS. Having a web-based platform and testing with a real audience gave me insights to start building a mobile application using ReactNative, a cross-platform JavaScript framework. I made a backend setup within an AWS EC2 instance with LAMP server configuration. For mass-marketing mails, I chose a setup with AWS SES and AWS Lambda forwarding. I automated deployment using AWS CodePipeline with versioning, security policies (teams) and defining scripts within .yml files running at specific build events. I followed workshops through the AWS Activate Program tackling trending subjects such as machine learning (AWS SageMaker). During this whole adventure, I selected and recruited Erasmus Interns to work on the design, video-editing, mobile app development and marketing in team. Furthermore, I presented the idea on stage at WebSummit in Lisbon ([click this link to watch](#)).

ADRIAANDEBOLLE.COM

adriaandebolle.com created using serverless AWS S3 bucket hosting, CodePipeline and Cloudfront resulting in a minimal cost of €12/year (domain).

VIRTUAL WHISKY TASTINGS

thewhiskyhouse.com/shop (2020)

Convert an existing reservation tool within a short timeframe to facilitate online shopping and organise virtual tasting moments. Make surveys (Typeform) to understand customer needs and use Mailchimp and Zapier to automate marketing and inform tasters.

BEST2NEST — 2015 - KILLED

- Algorithmic neighbourhood search engine based on personal interests;
- Google Places API, "pure PHP" - dummy approach, GIS, PostgreSQL, maps & visualization overlays.

▶ Education

KULEUVEN, LEUVEN, BE; POLYTECHNIQUE DE MONTRÉAL, MONTRÉAL, CA — SEP 2011 - JUN 2016

- **Major:** (MSc) Master of Science of Engineering (Chemical Technology)
- **Programming:** Matlab, Python, Java, Algorithms, Networks, Data structure & analysis, CFD Simulations
- **GE:** Computer Science, Decision making, Numerical Mathematics, Problem solving, Innovation
- **Language of instruction:** English (1y), French (1y) and Dutch (3y)

▶ Skills

- **Software:** *advanced:* JavaScript, Git, Cloud (AWS), PHP, MySQL, HTML, CSS, SAP, VBA
familiar: MES, BoxCox, Machine Learning, Liquid (Shopify), Python, Swift, C++
- **Language:** *distinguished:* Dutch, English, French / *advanced:* German, Spanish / *novice:* Chinese