



Hello Indeed team!

My name is Jakub Niewczas, I'm Senior Frontend Engineer at Virtusize (previously core frontend team member at Rakuten's govoyagin), where I lead development of our 80+mil req/week apps.

I'm applying for a UX Frontend Engineer position at Indeed because I'm sure, with my nearly decade long professional experience, with recent five years strictly dedicated to frontend, always closely collaborating with design teams, build beautiful and intuitive UIs, I can offer you the best of both worlds: solid engineering and user-caring UI craftsmanship.

*Virtusize is a design driven company.* Lead UX designer is also a company c-suite member constantly pushing for exponential care about design, flows and general product "story telling". We constantly improve, experiment, A/B test, dogfood, conduct real user interviews, extract to our own DesignSystem to be sure our product is always the best possible experience for our users.

My main motivation to apply to Indeed is I want to be part of big scale, impactful and recognizable projects. Huge traffic, massive user base, lots of responsibility to handle - that's where I want to be.

I live and work in Tokyo for more than 3 years already and require no relocation nor life-in-japan onboarding assistance.

How about having a chat!

*(CV and selected projects are attached at the end of this document)*

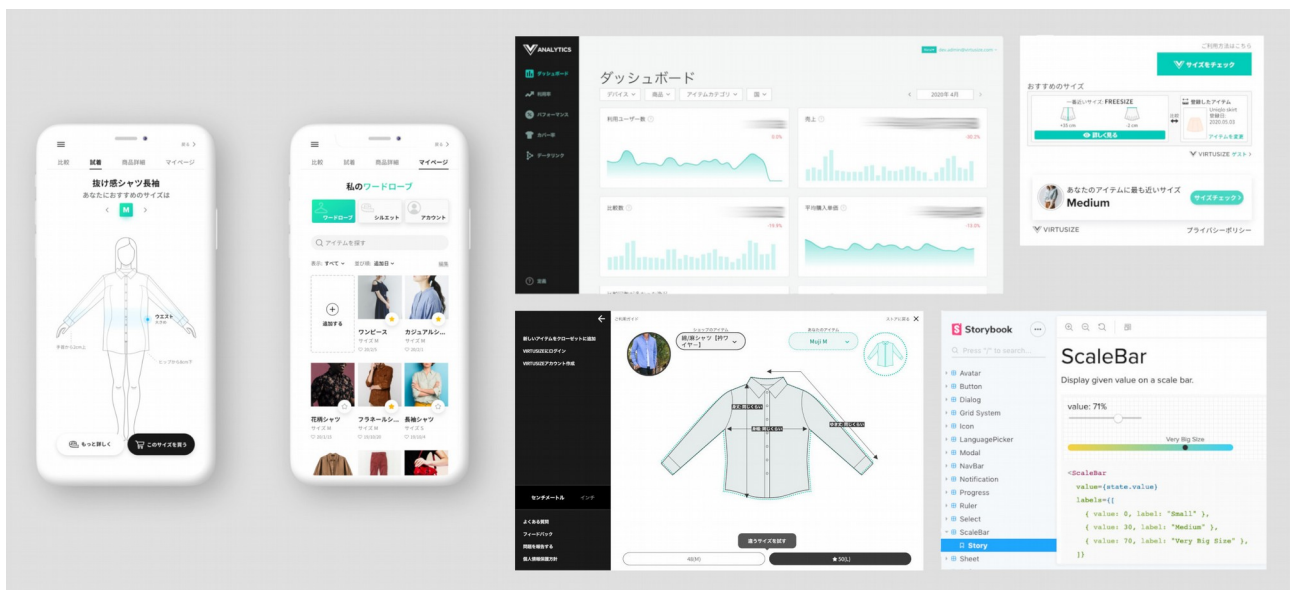
## Current Japanese Employment

At Virtusize, as a Senior Engineer, I'm supervising and leading tech side of majority of our frontend projects. Our products are fully fledged modern JS apps, integrated with client pages such as Kate Spade, Balenciaga, United Arrows, Marui and, in fact, most bigger fashion stores operating in Japan.

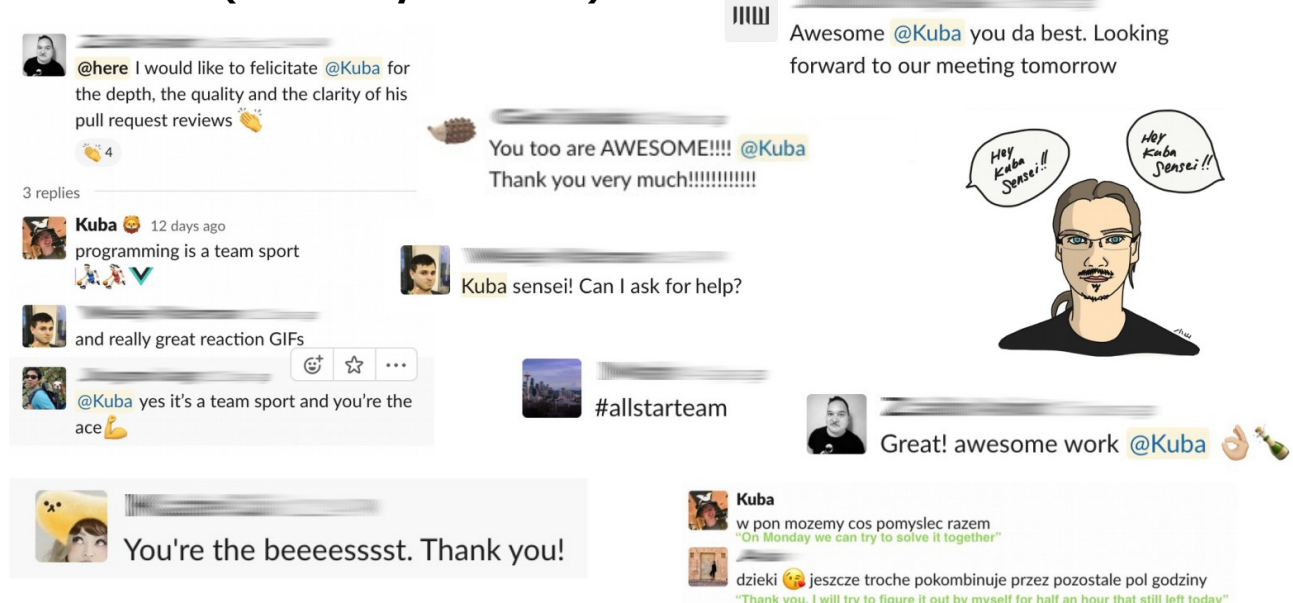
*Virtusize is a design driven company.* Lead UX designer is also a company c-suite member constantly pushing for exponential care about design, flows and general product "story telling".

We constantly improve, experiment, A/B test, dogfood, conduct real user interviews to be sure our product is always the best possible experience for our users. We developed our own DesignSystem as separate package and we plug it into several of our apps.

We handle millions of requests / week, so my main focus is on scalability, performance and maintainability (constant deliverability) of the whole setup.  
(more previews at the end of this document)



## Testimonials (Kuba is my nick name):



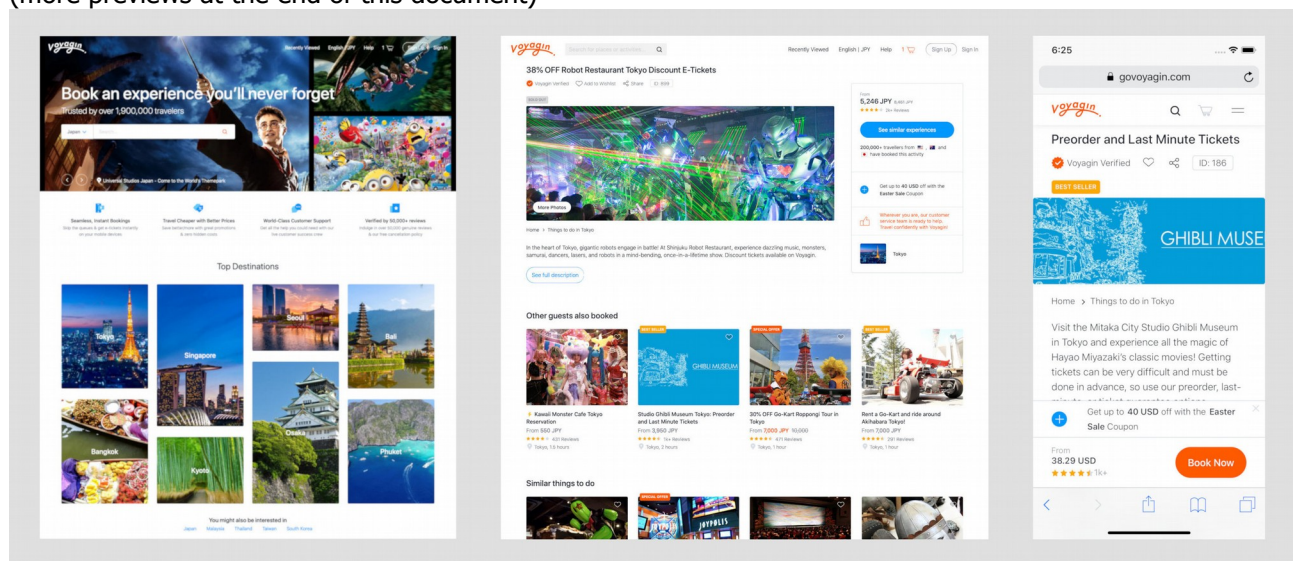
## Previous Japanese Employment

At Rakuten's *govoyagin.com* I was a frontend core engineer rewriting whole Voyagin frontend to React-based, enterprise, industrial-scale codebase. With tens of thousands page views per day, everything we did had to be rock solid yet flexible for constantly arriving new business requirements.

Nearly whole frontend you see on the page has been built, reviewed, discussed or supported by me. We faced and overcame all bigger-number app challenges.

**I know how to build big webapps.**

(more previews at the end of this document)

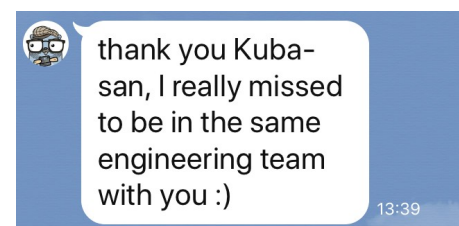
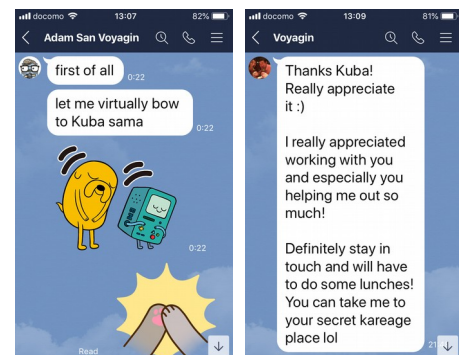


## Testimonials (Kuba is my nick name):

*"I had the pleasure of working with Jakub on the same team at Voyagin Ltd., and through that experience, I've come to appreciate that he is a skilled software engineer, a valuable team member, and passionate about programming and continually growing as a developer."*

*Our main task at Voyagin was to transform the e-commerce web platform into a Single Page Application. We did this by introducing React into the Voyagin tech stack and basically rewrote the application from scratch. Jakub's excellent React skills proved very useful and he was able to take the lead in our development process, as well as give thoughtful input in choosing what dependencies to incorporate in our frontend app.*

*During this process, cooperation was essential as we worked on a lot of tasks in parallel that affected one another. Jakub was an amazing teammate in this regard and was always eager to support me whenever I needed. With me being the more junior developer, Jakub's support was especially helpful and appreciated. Continuously challenging himself to do more and learn more, Jakub also pushed me to grow and constantly improve my skills. I couldn't ask for a better teammate."*



**Below is an analysis of the job description:**

(<https://www.indeed.jobs/career/JobDetail/23538>)

***Experience working with web technologies, including a deep knowledge of web standards, ECMAScript features, and modern JavaScript frameworks such as React, Angular, Ember etc.***

I have been building modern JS apps for the past 5 years, focusing on React and then expanding to Vue. I configure webpack, babel, linters, css preprocessor, polyfills, framework specific plugins (i18n, routes, data stores, forms) by myself guaranteeing everything is under my control

***Experience following industry standard best practices when building UI, including accessibility, internationalization, performance optimization, caching, cross-browser considerations, responsive web design etc.***

Apps and Virtusize and the whole govoyagin.com page are fully i18n'ed (including currencies, calendars/dates formats). With thousands of gigabytes and billions of requests we are always very serious about caching and performance. Cross browser compatibility and responsiveness are default considerations.

***Experience with CSS preprocessors and methodologies***

We use postcss with cssnext dialect (split into cssModules). At Virtusize we developed our own DesignSystem as a separate package and we plug it into several of our apps. Usually our components are small and autonomic and there is lots of freedom and flexibility in coding style. (we do review PRs and unify in case of too much style drift)

***Ability to create reusable, scalable components***

I designed most of the apps to be component driven. Basically everything is a component: a button, a form, a header, modal, a whole screen, app entry point itself is a component. We also developed an external DesignSystem npm package pluggable into our apps.

***An understanding of unit, integration, and end-to-end testing***

Our components are covered by Jest, (Enzyme in govoyagin), we have e2e tests as well as dedicated QA teams.

***Familiarity with usability testing***

We conduct AB tests, especially in govoyagin, in Virtusize we conduct real user interviews. We also monitor app events to pinpoint problematic steps in user flows.

***A deep passion for both code and creativity***

I code after my work because I love building things. My father was a professor at Warsaw Academy of Arts so I'm raised with caring about design mentality.

***Working knowledge of design tools such as Figma or Sketch (mainly for the purpose of exporting assets)***

We use Figma in Virtusize and Sketch in govoyagin. I have been using Zeplin and as a side freelancer I'm fluent using Gimp in case there is no designer to ask for support.

***The ability to communicate effectively in both spoken and written English***

Nearly all companies I have been working for were english speaking environments.

***5+ years of relevant programming experience***

I have.

***A bachelor's degree in Computer Science, Design, or a related field (or equivalent industry experience)***

I have a bachelor's degree in Computer Science, and graduated in 2012.

***Strong React and styling skills (SCSS, CSS-in-JS etc.)***

I'm a lead frontend engineer, leading our 80+mil req/week React/Vue apps. Previously I was a core frontend member of Rakuten's govoyagin rewriting whole its frontend to React.

***Experience developing sophisticated UI***

Both Virtusize and govoyagin have very complex and sophisticated UI. Virtusize is a more design driven swift app, while govoyagin is a fully fledged massive ticketing platform.

***Strong problem-solving skills***

As a lead dev I constantly have to make important and impactful decisions. Either as a prevention or during an emergency I have never failed to show up and came up with a solution. The CTO and my team trust in my decisions.

***Experience working closely with Designers and Engineers***

Virtusize is a design driven company. I'm involved in nearly all stages of designing new features, providing suggestions and validating ideas from a technical point of view.

***Work experience in a fast-paced, multidisciplinary team***

We have around 20 apps, from widgets to full blown apps, from client facing analytics dashboards to our internal admin panels, from chrome extensions to promo landing pages. At Virtusize we don't wait, we rollout early and improve often.



## Working with and managing design systems

We developed our own DesignSystem, I can share with you experience of this journey, challenges, blessings and problems of having a DesignSystem. Let's talk!

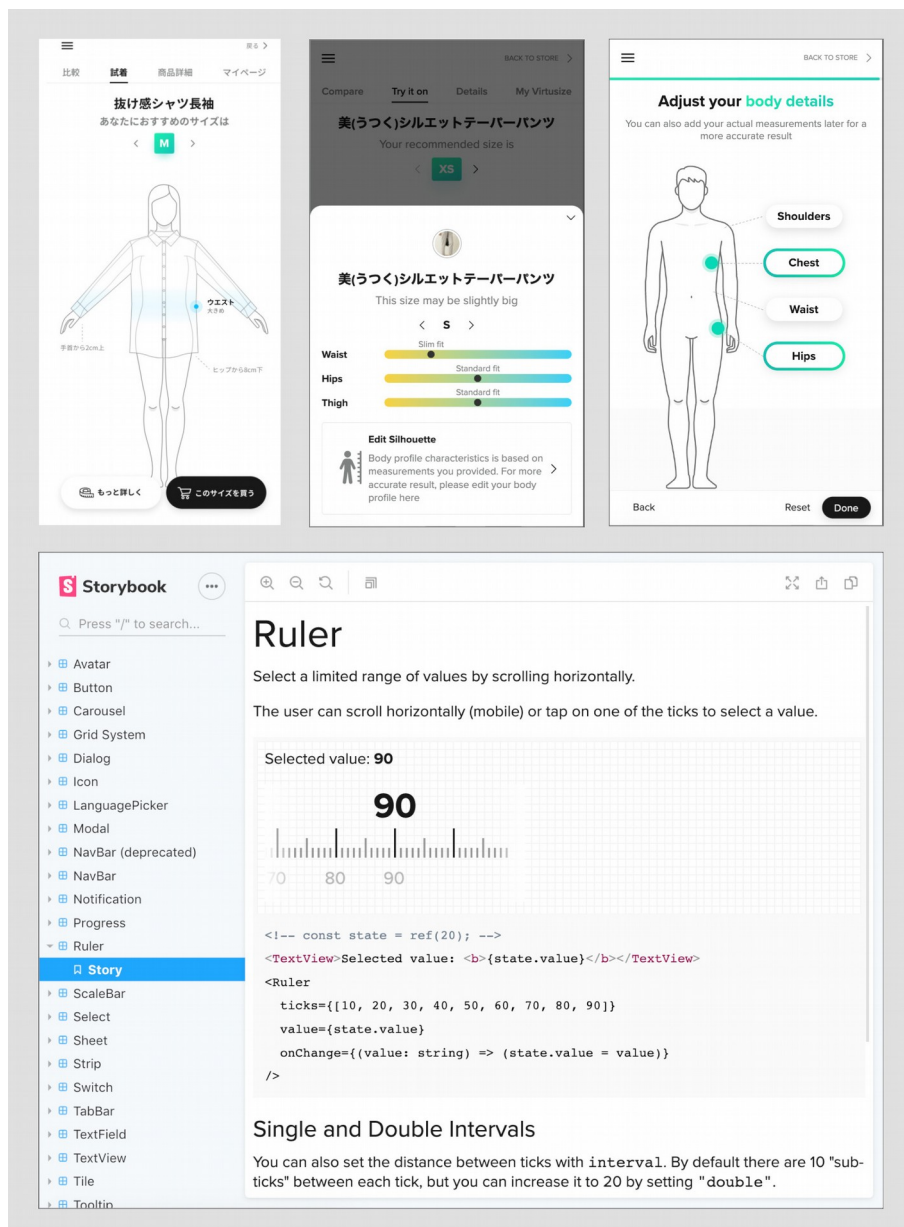
## Experience creating prototypes for the purpose of user research

Usually conducted by the design team by using Protopie app, though we often also do AB tests that are actual working features.

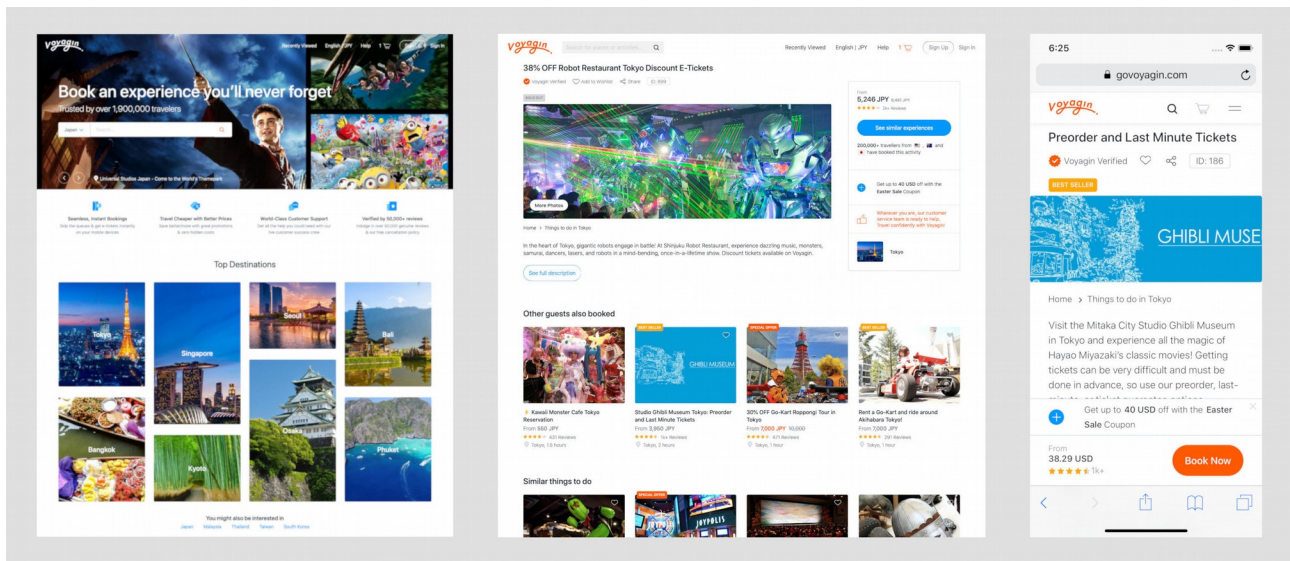
## Below there is a preview of some interesting UI/UX projects:

**Virtusize** latest app. Interactive, sophisticated yet easy to navigate, with tons of custom components pulled from our own DesignSystem. I can share more interesting information during interview, meanwhile please feel free to check product page and promo video:

<https://www.virtusize.jp/virtusize>



Rakuten's **Govoyagin** – nearly all frontend, from homepage, activity page, checkouts, modals, booking forms, promo banners has been coded by me. I can share more interesting information during interview, meanwhile please feel free to check the page: <https://www.govoyagin.com/>

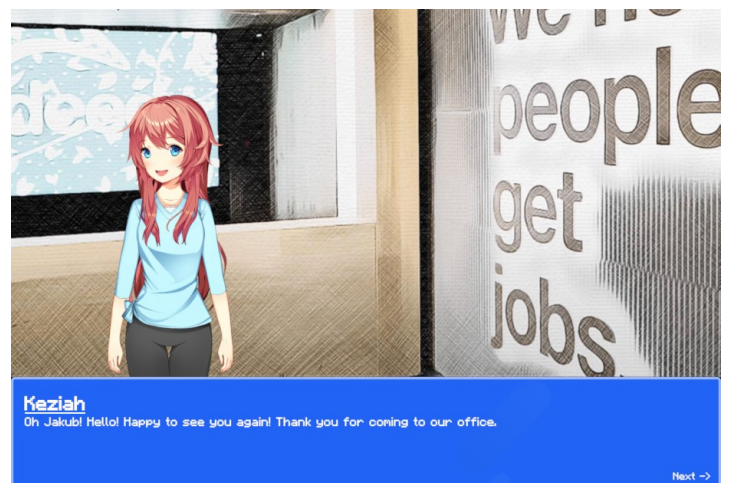
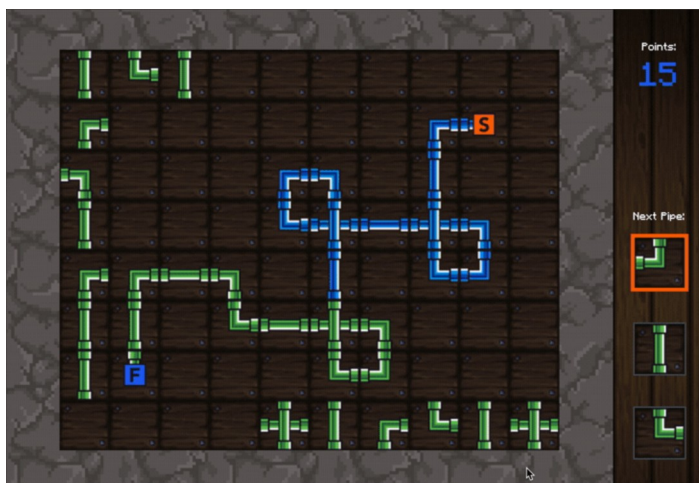


[i-can-help-indeed.jp](http://i-can-help-indeed.jp) – a connect-pipes-puzzle type of game, wrapped in a gentle, retro gaming Japanese Visual Novel story. It is a story of Keziah, Ivan and me...

It is a recruitment assignment for the UX Frontend position. As the position focuses also on UI/UX localisation, I came up with an idea of a retro, Visual Novel game so commonly seen in Japan. The game uses green pipes which are yet another strong reference to Japanese gaming culture.

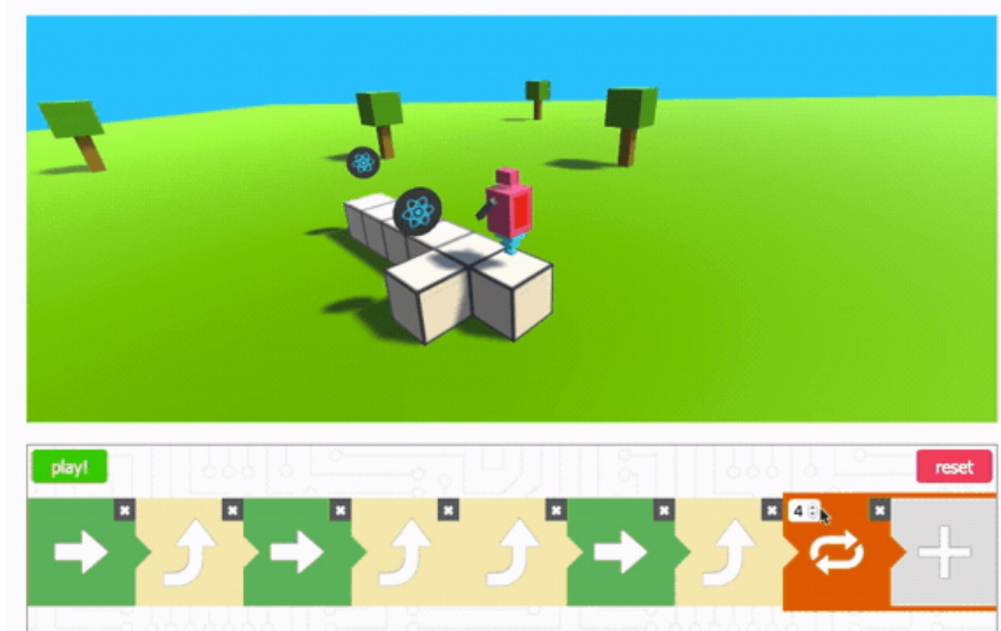
This project is a brief preview of frontend skills, algorithmic thinking, creative energy and pro-active nature I am bringing to the Indeed table.

<https://www.i-can-help-indeed.jp/#/?password=jakubniewicz>



**Lead the Reactoricus** – A fun React-based algorithmic game I built, where, by using movement blocks, you can guide a tiny robot. I can share more interesting information during interview.

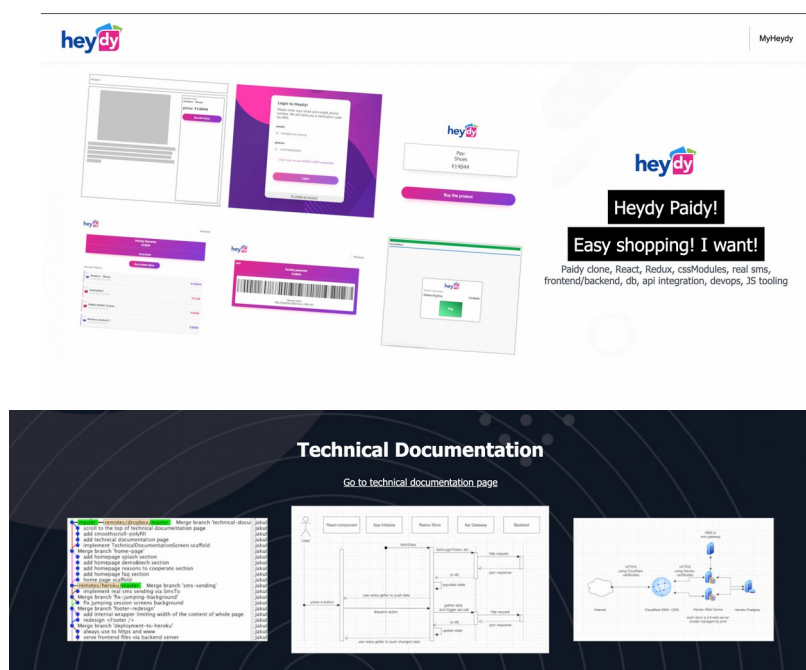
<http://reactoricus.jakubniewczas.pl/>



**heydy-paidy.jp** – A fun introduction project I did and sent in a first email to a potential employer, during my current career advancing season. It's a week long project, a clone of a Paidy service.

\*Usually I do such a clone project to set some kind of expectations in the relationship. For Indeed I would do the same but based on my experience, after a week, position may not be available any longer... If we move to interview stage I can build a clone of Indeed happily, so you can see and judge on real, dedicated project. Meanwhile please check Paidy demo:

<https://www.heydy-paidy.jp/#/?password=jakubniewczas>

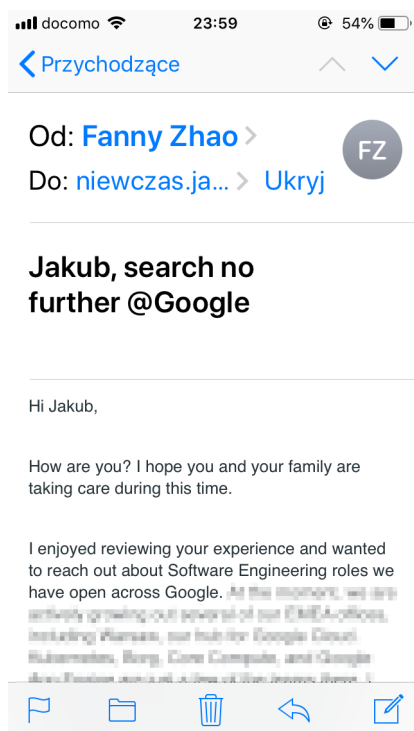




**I believe with skills and experience in building big-scale apps, friendly personality, dedication, motivation and laser-focus nature, I can bring lots of solutions thus profit to Indeed.**

**Additionally, due to my current Japanese working visa and residence status, I require no relocation nor any on-boarding visa support.**

To prove credibility even more, I am happy **Google** itself reached me recently out, interested in my skills.



I'm looking forward to joining the Indeed team,

Jakub Niewczas  
sr. Software Engineer at Virtusize

# CURRICULUM VITAE

## Personal info:

name: Jakub Niewczas  
date of birth: 07.12.1988  
place of residence: Tokyo, Japan  
e-mail: [niewczas.jakub@gmail.com](mailto:niewczas.jakub@gmail.com)  
website/portfolio/cv: <http://www.jakubniewczas.pl/>  
twitter: [https://twitter.com/j\\_niewczas](https://twitter.com/j_niewczas)



## Education:

2009 – 2012 - Computer Science study at Polish-Japanese Institute of Information Technology, finished with *Bachelor of Computer Science Degree*

## Work experience:

- 2019 — now – Senior Frontend Engineer, Full-time developer at Tokyo-based company – Virtusize, lead development and maintenance of our sophisticated, high traffic frontend apps. (*virtusize.jp*)
- 2017 – 2019 – Core Frontend Engineer, Full-time developer at Tokyo-based company – Rakuten group company: Voyagin Inc, development and maintenance (including rewriting whole frontend to React) of a sophisticated, high traffic web portal (*govoyagin.com*)
- 2015 – 2016 – Fullstack React/Rails Engineer, Freelance developer for Thailand-based companies, development of web portal: building whole frontend for a bigger, 15000LOC of css, E-commerce platform (*NDA*), backend dev working on a Recruitment platform (*NDA*).
- 2014 – 2015 – iOS / Ruby on Rails, Full-time developer at Mobica, apps for banking sector (working at client office based in Hong Kong), apps for e-learning/webcast platform.
- 2014 – 2014 – Ruby on Rails, Full-time developer at App'n'Roll, development of photo selling webportal (*foap.com*) and customer feedback platform based on embedded surveys (*survicate.com*)
- 2012 – 2014 – Ruby on Rails, Full-time developer at codequest company, development of software selling platform (*selecthub.com*), office management tool (*taptera.com*), fundraising CRM (*foundersuite.com*) and Job Recommendation Portal (*BuddyBroker*)
- 2012 – 2014 – iOS developer, Freelance for Sacrify, Virtual Rosary (*pureRosary*, *pureRosaryLite*)
- 2012 – now – iOS/React/Ruby developer, Freelance, development and maintenance my own freelance side projects
- 2011 – PHP developer, paid internship for Ringier Axel Springer Poland press company, development and maintenance of celebrity-focused mid-size news portal, learning about corporate environment.
- 2009 – PHP/frontend developer, Freelance for LogicIT studio, development and maintenance of several smaller web apps

## Skills:

Leading ReactJS/VueJS/modernJS skills allowing building heavy interactive websites  
Strong Code review skills  
Strong DevOps skills, setup and integration of infrastructure using AWS, Heroku, docker, CI/CD  
Strong Ruby on Rails skills with strong general programming principles.  
iOS programming skills

## Courses:

2014 – MongoDB for nodeJS developers  
2012 – Internal iOS course at codequest  
2012 – iOS 5 iPad and iPhone App Development (Fall 2011)  
2008 – Basic Ruby On Rails course at Warsaw University of Technology

## Internships:

2011 – Ringier Axel Springer Poland – PHP web development  
2009 – LogicIT - iOS development  
2005, 2004 – Baltona S.A. - PHP web development

**Languages:** Polish (native), English

**Hobbies:** Programming, Skating, Diving, Traveling