

# Maxym Kot

## Senior Fullstack Software Engineer

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Languages German, Swiss German, English, Russian  
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Permit C permit holder  
Civil Status Married  
Children Yes

### Summary

Passionate software developer from Zurich with 8+ years experience in web development.

### Key Skills

- TypeScript / JavaScript, React, Node.js
- Producing very clean, high quality and testable software
- Excellent software design and problem solving skills
- Communicative, respectful and open minded person
- Ready to take initiative / responsibility and tackle new challenges
- High attention to detail
- Performs very well under pressure
- Loves sharing knowledge with peers
- Experienced in conducting interviews with tech candidates
- Native German / Swiss German and Russian speaker, fluent English speaker

### Open Source

- 20+ TypeScript & React related projects: <https://github.com/bytesoftio>
- 60+ PHP related libraries: <https://github.com/weew>

## Technical skills

Object oriented programming	8y
Functional programming	4y
Test driven development	6y
Git, Jira and the likes	
Agile, SCRUM	
TypeScript	3y
JavaScript (es6 - es10)	8y
PHP	6y
Bash	5y
Java / Kotlin	1y
C#	1y
HTML5	8y
CSS3, Less, Sass, Stylus	8y
SQL	6y
JSON	8y
Node.js	5y
React	3y
React Tools (Hooks, MobX, Redux, EasyPeasy, Jest, Cypress, Enzyme, Storybook)	3y
JavaScript Tools (Parcel, Webpack, FuseBox, Gulp)	6y
React Native	1y
Vue.js	2y
AngularJS	4y
Laravel	3y
Symfony	3y
PHP Tools (PHPSpec, PHPUnit, Behat, Composer)	5y
Express, Koa	4y
MongoDB	4y
RabbitMQ	1y
Redis	1y
Vagrant	3y
Docker and Docker Swarm	1y

Panter

2019 - 2020

## Bruker BioSpin

Project	Autodiagnose UI
Role	<b>Senior Software Engineer</b>
Employment	Contract; Remote / On-Site;
Responsibilities	Software Development; Project planning; Coordination with the client; Coordination of backend developers at Bruker;
Description	Centralized admin interface used to track and manage all spectrometers throughout multiple countries, including some basic and advanced admin panel features. Made up of around 25 views.
Technologies	<b>TypeScript</b> ; <b>React</b> ; React <b>Hooks</b> ; React Router; Stylus; Parcel; <b>Jest</b> ; Enzyme; Cypress; REST; <b>AWS</b> ; Functional Programming; Object Oriented Programming; Test Driven Development;

## OnRunning

Project	Battle of Clouds
Role	<b>Senior Software Engineer</b>
Employment	Contract; Remote;
Responsibilities	Software Development; Coordination with the client; Configuration of Contentful;
Description	Shoe spotlight widget with information about key shoe metrics, for example: which athlete prefers what kind of shoe, how many medals did an athlete get with the specific shoe model, etc. Data is delivered through Contentful.
Technologies	<b>JavaScript</b> ; <b>Vue</b> ; Sass; <b>Storybook</b> ; Contentful; REST; Functional Programming;

## Helsana

Project	Insurance Guide
Role	<b>Senior Software Engineer</b>
Employment	Contract; Remote;
Responsibilities	Software Development; Coordination with DevOps at Helsana;
Description	Find an optimal insurance package by providing details about your family, children, budget, etc. Used by insurance agents to generate leads on new clients.
Technologies	<b>TypeScript; Angular;</b> Sass; <b>Node; Azure;</b> REST; Functional Programming; Object Oriented Programming;

## Kelly Services

2019

## Google

Project	Internal (NDA)
Role	<b>Senior Software Engineer</b>
Employment	Contract; On-Site;
Responsibilities	Software Development; Code Reviews; Assisting teammates on best practices; Planning an upgrade path for existing modules;
Description	Working on a highly used service in the online shopping / advertisement area, connecting / consuming over 300 other services. Developing and rewriting over 200 new and existing views on the latest version of Polymer.
Technologies	<b>TypeScript; Polymer;</b> Object Oriented Programming; Test Driven Development;

## Personal Projects

2017 - 2018

### BlackSwan

Description	A private project of mine. Developing an automated options trading system for the German Eurex using InteractiveBrokers FIX API. DAX index feed data is consumed in real time and used to calculate current portfolio position and necessary actions like call / put / short / long. It was a very tricky and demanding project and I learned a lot about this kind of applications.
Technologies	<b>Kotlin</b> ; Java; <b>React</b> ; <b>TypeScript</b> ; MobX; Stylus; <b>Node</b> ; Parcel; Gradle; Maven; Object Oriented Programming; Test Driven Development;

### Arbitrader

Description	A personal project of mine. Crypto arbitraging algorithm trying to leverage inefficiencies across various exchanges and market places. I abstracted away multiple exchanges into a single SDK to be able to treat them homogeneously. An algorithm is monitoring exchange prices and calculates two and three leg flips for profit.
Technologies	<b>TypeScript</b> ; <b>React</b> ; MobX; <b>Node</b> ; Sass; REST; Object Oriented Programming; Functional Programming; Test Driven Development;

RaiseNow

2015 - 2019

## Escrow

Role	<b>Senior Software Engineer</b>
Employment	Fulltime;
Responsibilities	Software Development; Software Design; Coordination with PostFinance;
Description	Designing and developing a highly resilient and self healing service for various banking purposes. Processing (collecting and sending) millions of Swiss francs yearly. Highly tested (lots of automatic tests and integration scenarios) and comes with a set of self healing features to ensure durability and performance. We were the first ones in Switzerland to integrate PostFinance's new payment API.
Technologies	<b>PHP; PHPSpec; Behat;</b> Bash; MySQL; REST; FDS; Vagrant; Cron Jobs; Object Oriented Programming; Micro Services;

## Payment APIs

Role	<b>Senior Software Engineer</b>
Employment	Fulltime;
Responsibilities	Software Development; Software Design;
Description	Integration of many different payment APIs into a single unified payment gateway. Management of transactions, chargebacks, reports, etc. Millions of Swiss francs and other currencies are being processed yearly. Presenting data to clients through a highly sophisticated admin interface with advanced search functionality, complex permissions model, etc.
Technologies	<b>PHP; Symfony;</b> Vagrant; Docker; MySQL; RabbitMQ; ElasticSearch; Cron Jobs; REST; Object Oriented Programming; Test Driven Development; Domain Driven Design; Micro Services;

## Payment Widgets

Role	<b>Senior Software Engineer</b>
Employment	Fulltime;
Responsibilities	Software Development; Software Design; Team Lead;
Description	Very complex and highly customizable payment widgets that can easily be integrated into other projects / websites. Development of SDKs in order for clients to be able to roll their own widgets and integrations. Leading a frontend team in the process. One of the widgets even comes with a config compiler to power some of the very flexible configuration options.
Technologies	<b>React; Vue; JavaScript; TypeScript;</b> MobX; Sass; Less; CSS; <b>Node;</b> Bash; AWS; MySQL; REST; Object Oriented Programming; Functional Programming; Test Driven Development;

## Corporate Giving

Role	<b>Software Engineer</b>
Employment	Fulltime;
Responsibilities	Software Development; Software Design;
Description	Developing a platform for businesses to be able to start their own fundraising campaigns. Integrated into the unified payment gateway.
Technologies	<b>Angular; JavaScript;</b> Sass; <b>Node;</b> Bash; MySQL; REST; Vagrant; Object Oriented Programming;

iBrows

2013 - 2015

Spital Basel

Project	Meds App
Role	<b>Software Engineer</b>
Employment	Intern
Responsibilities	Software Development; Project management;
Description	Mobile application used on tables by hospitals and pharmacies to easily find all the relevant information about various pharmaceutical products.
Technologies	<b>C#</b> ; Xamarin; REST; Object Oriented Programming;

StaffFinder

Project	StaffFinder
Role	<b>Software Engineer</b>
Employment	Intern
Responsibilities	Software Development
Description	Mobile application used by individuals to find / promote various jobs / contracts.
Technologies	<b>JavaScript</b> ; Titanium Appcelerator; REST; Object Oriented Programming;



## Schindler

Project	LiftFinder
Role	<b>Software Engineer</b>
Employment	Intern
Responsibilities	Software Development
Description	Web-Application used by clients to find the right kind of elevator for their facility.
Technologies	<b>JavaScript; Angular;</b> Titanium Appcelerator; REST; Object Oriented Programming;

## Helsana

Project	Personal Trainer
Role	<b>Software Engineer</b>
Employment	Intern
Responsibilities	Software Development
Description	A browser based mini game used to coach managers to tackle some of the tricky, hectic and demanding situations with staff and clients.
Technologies	<b>JavaScript; Angular; PHP; Symfony;</b> Object Oriented Programming;

## Professional Education

2011 - 2015

## GIBB

Vocational education (EFZ) as a software engineer at GIBB (Bern, Switzerland).