

Piotr Styczyński

Full-time Engineer

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Links

[Portfolio](#), [Github](#), [LinkedIn](#),
[StackOverflow](#)

01 PROFILE

Coding hobbyist, very dedicated and motivated, interested in exploring any aspect of the psychical world from IoT to language semantics, UX, frontend stuff and highly concurrent systems. Very big fan of category theory

(I love working with tools that have at least System F expression strength).

Love hacking, love learning. I do a lot of volunteer things.

02 EMPLOYMENT HISTORY

10/2019 — Present



Full-time Backend Engineer at Bytedance Inc.

Warsaw/Beijing

My role is to design and implement tools to support CV teams in their daily work. Technologies used are Go (with elements of C/C++) and Python.

09/2019 — Present



Product Owner and Front-end Lead at Meet IT Foundation

Warsaw

Product Owner, part-time, non-profit

Design an opensource platform for children to solve algorithmic tasks, read online free lessons in Polish and collaborate altogether

<https://www.meetit.eu/camp/>

07/2019 — 09/2019



Software Engineering Intern at Sumologic Inc.

Warsaw

Optimize transpilation of exiting codebase - writing effective TSX transformer plugins (from things that @babel/preset-env does to selective transpiration of code). Benchmarking and optimizing old codebase -Backbone, JQuery, Angular.JS, React. Got 20% loss in bundle size (better experience for the users and tons of money saved). - <https://www.sumologic.com/>

07/2018 — 09/2018



Full-stack Developer at Goldman Sachs

Warsaw

Design, implementation of data flow visualization and processing metrics for the distributed system (over +200 machines in all clusters and flow of ~100TB/day). The service used React, Java with Spring, Zipkin (for event tracing), Elasticsearch and Ignite.

04/2018 — 03/2020



Full-stack Developer and Co-Organiser (non-profit) at ML in PL: Machine Learning Conference

Warsaw

Responsible for the design, implementation, and maintenance of the web services for the conference. I was creating a technological background for the conference. My role was to design, implement and maintain the system (design backend and frontend systems). The job involved direct contact with conference administration. Technologies used: PHP, React, Typescript, Laravel

10/2017 — 11/2017



Front-end Developer (part time) at University of Warsaw

Warsaw

I was responsible for handling various small UI issues of USOSweb service (USOSweb is a platform for university administration used by tens of thousands of students per day) and also administration and modernization of the service dependency (complex jQuery plugin for handling UI elements) - fixing legacy code and setup of webpack with gulp for automatic builds.

07/2017 — 10/2017



Full-stack Developer at Checkraise

Warsaw

Full-stack dev, remote work. Working with web service available to a broad audience (online poker game). I was implementing the elements of the user interface (due to provided complex graphical mockups) and specific features as voice communication (both user interface and backend functionality itself) using technologies like React, Redux, Redis, Node.js (backend for voice communication involving complex and deep usage of TokBox API) Webpack (also I was involved in complex optimization of builds), Gulp, Jest (writing tests for the React UI). Also, I was responsible for the from-scratch implementation of reliable l18n translations (Brazilian audience).

05/2017 — 09/2017



Internship at Radcode Co.

Warsaw

Summer full-time role full stack developer (remote job). My job involved direct contact with clients from various geographical regions, using scrum methodology and usage of cutting-edge web technologies (mostly frontend technologies like React with Redux, Webpack, Gulp, Babel, ESLint, Redis, ES6), style guidelines (AirBnB style guide for ES), interfacing databases (Redis, Postgres). External clients details are mentioned on my work experience list (see Checkraise and Homies).

03 SKILLS (DETAILS)

- Golang experience (extensive usage of complex reflection logic, helping with the development of SQL query tool - <https://github.com/cube2222/octosql> and porting it to different languages)
- Web technologies Broad knowledge of most popular technologies Languages: Javascript (ECMAScript 6), Coffeescript Elements of Typescript, semantic HTML, CSS, stylus, less, and others... Frameworks: React (also Native) and Redux d3.js, Lodash, TokBox, and others... Building tools: Webpack, Grunt, Gulp, Babel Package managers: npm, yarn, composer, bower Testing frameworks: jest, jasmine
- Real-time hardcore distributed systems Experience with Kafka, Elasticsearch, Apache Zookeeper and Ignite for the systems processing high volume data (100TB/day)
- Operating systems Linux (Arch, Ubuntu), Windows with extensive bash knowledge Broad experience with Android-targeted apps
- Data management Databases: Postgre, Mysql (SQL fluency)
- Backend Good knowledge of C and C++ (with Boost and Cmocka), Java (with Lombok, Spring, and ES API), OCaml, PHP (especially with Laravel)
- Others Elements of Assembly (especially in the context of embedded platforms) Basics of Python and elements of Lua
- Programming culture Knowledge of good programming practices, SDLC models and design patterns

04 EDUCATION

Sep 2016 — May 2019

University of Warsaw

Warsaw

Bachelor of Science (Computer Science)

Foundations of Mathematics, Geometry with linear algebra, Introduction to programming (functional approach) Mathematical analysis for computer science I/II, Discrete mathematics Microcontroller programming, Object-oriented programming Algorithms and data structures, Concurrent programming, Databases, Entrepreneurship, Probability theory and statistics, Computer networks Languages, automata and computations, Operating systems Multiagent systems, Numerical methods, Program semantics and verification and more.

Sep 2019 — Present

University of Warsaw

Warsaw

Master of Sciences (Computer Science)

05 AWARDS

Oct 2011 — Oct 2011	<div><div>Gymnasium (Władysław IV)</div><div>Warsaw</div><div>Laureate of physics, informatics (two contests for Logo language and C) and maths on a country level.</div></div>
Oct 2014 — Oct 2014	<div><div>High School (Władysław IV)</div><div>Warsaw</div><div>Participated in Informatics (pol. Olimpiada Informatyczna), Physics (pol. Olimpiada Fizyczna), Technical Knowledge (pol. Olimpiada Wiedzy Technicznej) and Maths (pol. Olimpiada Matematyczna) (country level range) Olympiads – semi-final stage. Laureate of Warsaw City Major award - Sapere Auso For extraordinary educational achievements (13/10/2014)</div></div>

06 COURSES

May 2017 — May 2017	CAE at Cambridge Assesment Centre
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07 LANGUAGES

Polish	<div><div></div><div></div><div></div><div></div><div></div></div>	German	<div><div></div><div></div><div></div><div></div><div></div></div>
English	<div><div></div><div></div><div></div><div></div><div></div></div>		

08 SKILLS

Go	Haskell
Typescript	OCaml
Java	Bash
C/C++	Spring
PHP	React