

Rafał Krókowski

SOFTWARE ENGINEER · STUDENT · WROCLAW UNIVERSITY OF SCIENCE AND TECHNOLOGY

✉ krokowski.dx@gmail.com | 🏠 www.krokowski0x.com | 📷 [krokowski0x](#) | 🌐 [krokowski0x](#)

Work Experience

Netguru

Wroclaw, Poland

NODE.JS SOFTWARE DEVELOPER

Nov 2018 - Present

- Developed and launched highly scalable Node.js boilerplate, that saves clients up to 12%-20% of the initial project cost
- Single-handedly shipped authentication part of the boilerplate, dealing with sessions, JWT and OWASP security concerns
- Heavily utilized various design patterns, focused on highly reusable components and Object-Oriented design
- Used personal brand on Quora to help company acquire new customers

Manuli Ekobal

Wroclaw, Poland

SEO SPECIALIST/UI DESIGNER/WEBSITE ADMIN

May 2017 - May 2018

- Proposed and implemented full redesign of company's website
- Reduced website's payload size by 35%, cut load time by 50%, maxed-out Page Speed rankings
- Boosted monthly traffic from around 5k to above 13k visits/month
- Gained experience working with servers and site maintenance in big, international, B2B company

Projects

Community growth

Dec 2018 - Present

- Became Quora's Most Viewed Writer on Algorithms, Server-Side JavaScript, Data Structures and Sorting Algorithms
- Prepared lecture on event loop inner workings and C in Node.js for Dev.js Conference in March 2019
- Currently working on multiple series of articles on Medium about Software Architecture, Git, Serverless and GraphQL

Google Architecture Series

Jan 2019 - Present

- Recreated Google's original architecture in Golang, as part of a series of Medium articles explaining it in great detail
- Utilized: Golang, Docker, PostgreSQL

Traderless

Jan 2019 - Present

- Developed real-time stock exchange simulator using GraphQL queries, mutations and subscriptions
- Utilized: GraphQL, TypeScript, Serverless Framework, AWS Lambda, DynamoDB/RDS

ShallowBlue.js

May 2018

- Programmed and visualized Chess AI using minimax algorithm with alfa-beta pruning
- Utilized: React, Redux, Webpack, HTML/SASS/JS

Live Sorting Test

Apr 2018

- Programmed an app for testing different sorting algorithms and comparing their execution time in Big O notation
- Achieved high performance due to real-time, server-side, multi-threaded Node.js computing
- Utilized: Node.js Clusters, React, HTML/CSS/JS

CryptoPi.js

Jun 2018

- Developed gesture-controlled, real-time, cryptocurrency price-tracking app, based on Web Sockets
- Utilized: Node.js, C, Web Sockets, Firmata Protocol, JohnnyFive, Raspberry Pi, Arduino

Project Offtop (Team Project)

Feb - May 2018

- Designed and mocked big web app, that would be the dashboard of all student's activities at the university
- Created a team of about 40 students, run a series of lectures about Front-End Development

Various Hacks

2017 / 2018

- Implemented and visualized an interactive AVL Tree based on Object-Oriented Programming principles
- Developed and fully tested dozens of MATLAB/C/C++/8051 Assembly programs during university courses
- Developed tab sorting Chrome Extension with functional JavaScript for own convenience

Education

Wroclaw University of Science and Technology

Wroclaw, Poland

BACHELOR OF ENGINEERING IN CONTROL ENGINEERING AND ROBOTICS

Oct 2016 - Exp. Feb 2020

- Took courses including Object Oriented Programming, Operating Systems, Software Architecture, Image Recognition, Algorithm Design, Applied Networking, Artificial Intelligence, Assembly Programming, Advanced Statistics and Systems Theory