

Artur Mostowski

SOFTWARE ENGINEER

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Experience

Currency One SA

SOFTWARE ENGINEER

Poznan, Poland

May 2019 - currently

- Creation and edition of microservices communicating via RabbitMQ in Java, Kotlin, Javascript, and Typescript.
- Edition of frontend in React, Angular, and Elm.
- Creation and edition of API endpoints in Swagger + Typescript.
- Implementation of security features required by PSD2.

Education

Poznan University of Technology

MASTER OF SCIENCE IN ENGINEERING (MAGISTER INŻYNIER) IN COMPUTER SCIENCE

Poznan, Poland

May. 2020 - Jun. 2021

- Speciality: Intelligent Decision Support Systems.

Poznan University of Technology

BACHELOR OF ENGINEERING (INŻYNIER) IN COMPUTER SCIENCE

Poznan, Poland

Sep. 2016 - Apr. 2020

- Thesis title: Optimization of algorithms for discovering spatio-temporal collocation patterns.
- Finished with grade 5 (in range 2-5), continuously awarded Rector's Scholarship

Professional Skills

Currency One SA	Node.js (with JavaScript, Typescript, & CoffeeScript), Java, Kotlin, Python	Back-end
Walutomat.pl team	React + Redux, Angular, Elm	Front-end
	PostgreSQL, MongoDB	Databases
	Docker, Kubernetes, RabbitMQ, Git, Jira	Other
Currency One SA	Node.js with CoffeeScript, Ruby with Watir & Nokogiri	Back-end
Banking Domain team	Vue	Front-end
	PostgreSQL	Databases
Academia	TensorFlow, PyTorch, numpy, sympy	ML & NN
	ANSI C, C++, C#, Python, Java	Algorithms
	GoLang	Thesis project
	Oracle	Databases
Hobby and others	Haskell, F#, PureScript, Haxe	Languages
	Unity Engine, Trello	Tools
	MS Office, L ^A T _E X	Other

Projects

Optimized algorithm for discovering spatio-temporal co-location patterns

TECHNOLOGIES: GO

Concurrent program that discovers feature co-location patterns using interpolation with high-order polynomials and interval arithmetics.

B.Sc.Eng. thesis project

project for Programming Technologies

Advanced user panel for Walutomat.pl communicationg with it via API

TECHNOLOGIES: NODE.JS, REACT

App consisting of server serving as a facade for Walutomat.pl API and React frontend allowing users to utilize Walutomat.pl's functionalities more conveniently.

Academic

project for Programming Technologies

Program simulating the university's website for students

TECHNOLOGIES: ORACLE, NODE.JS, PUG

Server and database for the university system allowing admins to create lectures schedule, teachers to grade students whom they teach, and students to view grades.

Academic

Voting app for Poznan Guild of Gamers (PGG)

TECHNOLOGIES: NODE.JS, REACT, POSTGRESQL

App consisting of the database, and server of heroku, enabling users to vote. Authentication via GoogleAuth.

Personal

Market exchange simulator

TECHNOLOGIES: JAVA, JAVAFX

Program that simulates stock exchange and allow the user to "purchase" and "sell" assets

Academic

project for OOP course

Chrome/Firefox extention communicationg with mailcatcher via socket

TECHNOLOGIES: JAVASCRIPT

An extention that recognises when input with specified id emerges on screen and pulls code from mail/sms send to mailcatcher.

Work Related

help for the QA team

Terminal based RTS game for 3 players

TECHNOLOGIES: ANSI C, NCURSES

App consisting of multithreaded server with shared memory utilising semaphores and client program that communicates with the server via message queues.

Academic

Program recognising gameboard state in the tabletop game "the Settlers of Catan"

TECHNOLOGIES: PYTHON, SKIMAGE

Program that finds the Catan board in the picture, warps perspective, checks type of tiles, finds roads and cities and marks it all on the original picture.

Academic

"Secret Hitler" (a tabletop game like Mafia or Werewolf) helper app

TECHNOLOGIES: NODE.JS + TYPESCRIPT, REACT.JS + REDUX + TYPESCRIPT

App that randomises players roles and implements the "policies" card deck.

Personal

Android app monitoring my highschool's website for substitution information

TECHNOLOGIES: KOTLIN, MySQL, ANDROID PUSH NOTIFICATIONS

App that periodically scraps the website, sends a push notification if the content changes, and displays it.

Personal

Parish website

TECHNOLOGIES: REACT.JS, MONGODB

One-page website for the parish allowing admins to submit announcements.

Personal

mbcz.pl

Other relevant information

FCE Cambridge First Certificate in English (FCE): grade B

June 2013

Known Languages	Polish native	English professional	German advanced	Swedish basic	Italian basic
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Teaching Computer Science in 51st Elementary School in Poznan as a volunteer

Sep 2016 – Jun 2017

Tutoring undergraduates and High School students in Mathematics, Physics, and Programming

Since 2016

Driving licences Polish categories: A2 and B

Since 2016