



Aleksander Kawala

Full Stack Web Developer

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Alexander3

aleksander-kawala

EDUCATION

BSc in Computer Science

AGH University of Science and Technology in Cracow
2012 – 2016

MSc in Computer Science

AGH University of Science and Technology in Cracow
2016 – present

LANGUAGES

Polish (Native)

English (Professional)

INTERESTS

Skiing

Sailing

Motorcycles

Computer graphics

STUDENT'S ORGNIZATION KNI KERNEL - SEE MORE

Leading python workshops [Link](#)

Leading 3D graphics workshops in Blender

PRIVATE PYTHON WORKSHOPS - SEE MORE

I am mentor at commercial Python workshops for (9-17 years old) kids/teenagers, where I teach basics of coding using Minecraft as 3D engine that we can control programically.

EXPERIENCE

Backend Developer

05.2018 - Present

Sunscrapers, Warsaw (fully remote) [sunscrapers.com](#) [verve.co](#)

Tech: *Django, Celery, Graphene, GraphQL, Heroku, React*

Working on system that manages event tickets sales. I was focused on backend parts.

- Using GraphQL as gateway which provided access to database and external services
- Creating ETL workflow based on Django signals and Celery tasks, exporting production data changes to another database
- Integrations with external services e.g. Front, Braze, Ticketmaster, Twilio
- Fetching transactions data from payment provider, and validating production data against it
- Circle CI build and automated Heroku deploy configuration

Full Stack Developer

03.2017 - 05.2018

Bravelab, Cracow (partially remote) [bravelab.io](#) [payability.com](#)

Tech: *AWS Lambda, Flask, Django, Angular 5, Angular JS, Ionic, React Native, Elasticsearch, Android*

I was involved in several different projects including backend, frontend and even mobile development. My main focus was CRM system for US company based on AWS infrastructure:

- AWS Lambda microservices written in Flask with automated Zappa deployment
- Automated batch email sending (*SES + SQS*)
- Dynamo DB stream saving data to Elasticsearch, and Lambda proxy for accessing it with JWT auth
- Custom tracking of user actions with use of lambda backend and cross-origin cookies
- Creating rules system with dynamic forms (using Angular reactive forms) for selecting events and configuring actions that should be executed. Worked on both backend and frontend part.
- Rewriting system from AngularJS to Angular 5 using Angular Material theme
- Automated frontend builds with deployment to S3 and e2e tests for each PR
- Leading sub team, taking part in higher level planning

Full Stack Developer

09.2016 - 01.2017

42 Coffe Cups, Estonia (fully remote)

Tech: *Django, jQuery*

Working remotely on rewriting Django project to new design. This included implementing AJAX workflow in pages based on Django templates, and improving forms with *django-crispy-forms*.

Full Stack Developer

07 - 09.2015

Investio, Cracow [squaber.com](#) [investio.pl](#)

Tech: *Django + DRF, Docker, AngularJS + ui-router, Socket.IO, CoffeScript*

Working on web application that shows stock market analysis. Writing unit tests (backend and frontend). Implementing chat based on *socket.io*.

Software Engineer

07 - 11.2014

Comarch, Cracow

Tech: *PHP, Doctrine ORM, Zend Framework 2, jQuery, Typescript*

Developing administrator panel for Comarch Teleradiology - system for medical data exchange with integrated DICOM viewer. Improving Apache configuration according to security audit.

Freelance

10.2014 - 11.2016

Tech: *Django, jQuery, PHP*

At the beginning of my career I developed sites for private clients using *django-admin* as uncluttered CMS for customer, that allowed them to edit website content as well as manage galleries. Self-hosted with Nginx, Unicorn and Supervisor setup. You can see all my projects on my [website](#).

SKILLS & PROFICIENCY

Python, Django, DRF, Flask, Celery

Javascript, Angular5, AngularJS, React

CSS3, SCSS, Bootstrap, Angular Material

Linux, Git, Docker

Android, React Native, Ionic

AWS, Heroku, DynamoDB, Lambda, LaTeX, PostgreSQL