

Karol Szymanowski

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I am a self-taught software developer with three years of professional experience. Responsibilities in my day-to-day work include designing, maintaining, and building scalable and efficient back-end solutions and infrastructure.

I specialize in javascript (especially typescript) and other technologies such as Kubernetes, AWS, or Firebase. While it's not my main area of expertise, I don't mind occasionally working on the Front-end or doing DevOps tasks (making the development process more reliable, efficient, and enjoyable by automating the repetitive tasks or improving monitoring, etc.).

SKILLS

Programming: Node.js Javascript/Typescript GraphQL Express Nest.js React.js

Devops: CircleCI Terraform Pullumi Kubernetes Docker AWS GCP Firebase

Databases, queues & message brokers: Mysql/Mariadb Postgres MongoDB Redis

Languages: Polish English

WORK EXPERIENCE

Software engineer at [Schibsted](#)

01.2021 – now

Description:

Part of the Omni team that is responsible for omni.se and omniekonomi.se news portals.

Key technologies:

Node.js , AWS , Heroku , Terraform , React

Key achievements:

- Completed documentation for multiple vital services and processes to help better understand them and get new team members into the project faster.

Software engineer at [Netguru](#)

06.2019 – 12.2020

Description:

I've been involved in numerous projects for clients in the real estate, medical and non-profit industries. My responsibilities include developing, testing, and maintaining APIs to evaluating projects, advising on potential technologies, or participating in the recruitment process.

Key technologies:

Node.js , AWS , Kubernetes , Firebase , Docker

Key achievements:

- Wrote multiple articles documenting and describing technical problems my team experienced during development that helped other teams save development time and introduce better practices. An example article: "Creating multi-environmental firebase projects (including back-end functions and databases)".

Junior fullstack developer at [MDBootstrap](#)

10.2018 – 06.2019

Description:

I was responsible for creating and maintaining a tool (similar to CodePen) that enables code execution in browsers. The support team mainly used this tool to debug and fix product problems better and faster, but it was also used as a marketing tool to show main product potential.

Key technologies:

Node.js , Angular , PHP (WordPress) , Docker

Key achievements:

- Implemented the first CI/CD pipeline, which exponentially reduced manual labor and helped other teams do the same.
- Introduced unit/integration tests and increased test coverage of an app to 90%.
- Used tools like docker to speed up the time needed to set up the whole development environment locally.

CERTIFICATES

- [Certified Kubernetes Administrator](#)
- [AWS - Certified Solutions Architect Associate](#)

PROJECTS & ARTICLES

- [Highly available kubernetes cluster running on raspberry pi](#)

I built a kubernetes cluster that runs on several raspberry pi and serves as my sandbox where I deploy my projects for a fraction of the cost of a cloud solution. I used ansible and k3s to automate the entire process and tools such as helm, prometheus or dex to improve monitoring, access and cluster management.
- [The CKA Certificate From a Software Developer’s Perspective](#)

Article on the CKA certificate. In it, I share my experiences and tips on how to pass this certificate.