

Kajetan Rzepecki

[ka'jɛtan ʒɛ'pɛtʃɛki]



📍 Cracow, Poland
✉ k@spartan.works
🏠 www.spartan.works
🐙 github.com/idorobots

Skills

spoken languages **English** (CEFR C1, FCE certified), German (CEFR B1), Polish (native)
product lifecycle **SCRUM**, Jobs To Be Done, Google Analytics, HotJar, Atlassian Jira
software design **Functional Programming**, Microservices, REST, SOA
programming **Scala/Akka/ZIO**, Go, Clojure, Erlang/OTP, Python, Java, Scheme, PostgreSQL
web related **React, Redux, TypeScript**, JavaScript, WebRTC
toolchain Ansible, **Docker, Emacs, Git, GNU/Linux**, \LaTeX
workflow **Lean Agile**, Continuous Integration/Delivery, **GTD**, Org-Mode

Experience

Spartan Works

2016-05 – present **Founder**
I started a consultancy company focusing on **full-stack development** and **product management**.

StackState BV (Xebia Group), The Netherlands

2022-03 – present **Product Manager, Consultant**
I transitioned to full-time product management of the company's core offering. Main responsibilities:

- Gathering requirements from both internal and external customers.
- Feature ideation using well-established product development frameworks.
- Working closely with engineering, design, sales & marketing teams on solution framing and GTM strategies.
- Specifying, defining and refining easily deliverable work slices.
- Ensuring the engineering team's success by expectation management and mediation.

Main achievements:

- Managed a complex technical feature from initial requirements gathering to a successful launch with minimal delay and scope changes, despite drastically changing feature team composition.

2021-05 – 2022-03 **Product Owner, Consultant**
I decided to involve myself more with the full product lifecycle. Main responsibilities:

- Gathering & analysing feedback both from internal and external customers.
- Specifying, defining and refining user-facing features in the core product.
- Preparing and ordering the product roadmap according to customer preferences.
- Holding refinements and other meetings with the engineering, design & marketing teams.

Main achievements:

- Managed an interactive playground & SaaS trials project from initial idea to a successful launch.

2018-03 – 2022-03 **Senior Fullstack Engineer, Consultant**
I am helping to make Observability accessible and pleasant. Main responsibilities:

- Developing and maintaining company's core product's backend using Scala, Akka and ZIO.
- Building and maintaining a frontend application using TypeScript, React and Redux.
- Implementing and maintaining a command line interface with Python.
- Integrating various data sources, including Elasticsearch, Splunk, AWS CloudWatch and Azure Monitor.

Main achievements:

- Helped the company to successfully embrace remote work culture.
- Improved backend security by introducing Groovy script sandboxing and Java Security Manager policies.
- Architected and implemented a flexible system of plugins - StackPacks.

Coya AG, Germany

2017-10 – 2018-02 **Senior Fullstack Engineer, Consultant**
I helped create a next-generation insurance company. Main responsibilities:

- Developing and maintaining core microservices using Scala/Akka and Cats.
- Building a responsive frontend application using Elm.
- Integrating Stripe.js into the frontend application.
- Introducing Wartremover to the backend codebase.

Ratel.io (Contactis Group Sp. z o. o.)

2016-05 – 2017-10 **Senior Fullstack Engineer, Consultant**

I was building an AI- & WebRTC-powered VoIP communications platform - Ratel. Main responsibilities:

- Architecting, setting up & maintaining the Ratel infrastructure using Docker and Ansible.
- Developing and maintaining several core microservices using Scala/Akka, Cats and PostgreSQL.
- Building and maintaining a WebRTC-heavy, JavaScript-transpiled TypeScript SDK.
- Developing a frontend application using TypeScript, React & Redux.
- Interviewing and mentoring new developers.

Main achievements:

- Introduced Wartremover and Scalastyle to most of the backend code to improve code quality.
- Built an open-source product SDK of which I am still a majority contributor.

Ubiquiti Networks

2014-10 – 2015-12 **Software Developer, Payments team**

I was developing the UCRM product (formerly airCRM) for Ubiquiti's WISP customers. Main responsibilities:

- Developing and maintaining a PCI-DSS-compliant payments processor in Clojure/Ring and PostgreSQL.
- Integrating with Authorize.Net, Stripe and PayPal payment gateways.
- Integrating payments with the rest of the UCRM billing system.
- Maintaining and refactoring of several other microservices in Python/Django as well as Erlang/OTP.

Open Source projects

2015-01 – present **The Spartan programming language**

A programming language I started developing during my masters thesis research. The goal is to create a spartan compiler & a runtime system for a Lisp-like language including, among other features, hygienic macros, rule-based knowledge engineering and an actor-model-based concurrency runtime inspired by Erlang/OTP.

2015-11 – 2016-03 **λ-blog**

A static site generator *generator* written in **Clojure** & JavaScript emphasizing **customizability** & **hackability**. It features: composable HTML generators, Twitter Bootstrap, Markdown support & a hacker-friendly way to **override anything and everything** without much hassle.

Education

2014-02 – 2015-09 **Master of Engineering in Computer Science:
Engineering of Intelligent Systems,**

*Faculty of Electrical Engineering, Automatics, Computer Science and Biomedical Engineering,
AGH University of Science and Technology, Kraków, Poland*

thesis title **Design of a programming language with support for distributed computing on heterogenous platforms.**

description Project aims to develop a *platform aware* (as opposed to platform independent) programming language for distributed computing with automatic knowledge propagation in a highly dynamic, redundant & heterogenous environment such as the Internet of Things.

thesis grade **5.0/5.0**

final grade **4.5/5.0**

2010-10 – 2014-02 **Bachelor of Engineering in Computer Science,**

*Faculty of Electrical Engineering, Automatics, Computer Science and Biomedical Engineering,
AGH University of Science and Technology, Kraków, Poland*

thesis title **Implementation of a virtual machine for functional programming languages with support for concurrent computing.**

description Project based on the Three Instruction Machine (TIM abstract machine) with Actor Model extensions aiming for memory safety and high-speed asynchronous communication with no memory copying.

thesis grade **5.0/5.0**

final grade **4.5/5.0**

Hobbies

- Experimental computer archaeology
- Electronics & hardware design
- Programming Language design
- 3D printing & modeling