

Mateusz Gajewski

Experienced staff software engineer, contributor & open-source maintainer.

Contact

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Location: Warsaw, Poland / remote

I am an experienced staff software engineer, architect & open-source maintainer, versed in designing and building high quality, scalable, low-latency, distributed systems. For 20 years I've been programming in various languages, building different architectures, using plethora of technology stacks, always trying to find and use just the right tools in a given problem space. I enjoy working with modern and comprehensive codebases, therefore I spend a lot of my time and energy improving it for others. Up-to-date list of publications, certifications, attended conferences and courses are available on my LinkedIn profile.

Skills

- Java (up to 23)
- Trino/Hadoop/Hive
- Go
- distributed systems
- microservices
- containers
- kubernetes
- domain-driven design
- performance engineering
- security engineering
- process automation
- reverse engineering

Experience

2019 — now **Staff software engineer, open-source contributor & maintainer**

Starburst Data / Boston, Warsaw / Remote

Keywords : [Java \[11, 23\]](#), [Maven](#), [Kerberos](#), [data processing](#), [MPP](#), [reverse engineering](#)

Leading a team of up to 6 engineers, improving [Trino query engine](#) and [Starburst Enterprise](#) platform. Contributing and maintaining both the open-source Trino and closed-source enterprise distribution of it. Automated most of the mundane processes. Upgraded both products to JDK 17 and JDK 22. Worked on performance, security, troubleshooting, testing infrastructure, release automation and system tooling.

2017 — 2019 **Consultant, advisor, mentor**

various startups & SMEs / Warsaw / Remote

Keywords : [system design](#), [distributed architectures](#), [strategic DDD](#), [event storming](#)

As an advisor I worked with different companies (of various sizes and maturity) to help them gain skills needed for transforming their culture, technology stack, architecture, processes and systems while introducing innovative technologies to the existing systems. I mentored teams, leads and architects on how to build scalable, extensible architectures while integrating them with legacy systems. My work involved conducting technical due diligence, technical debt assessments, workshops and trainings.

2009 — 2017 **Solution architect, staff software engineer**

Allegro / Poznań, Warsaw

Keywords : [Java](#), [PHP](#), [microservices](#), [OCI](#), [Mesos](#), [domain-driven design](#), [monoliths](#)

During my 8 years in Allegro, I've worked on both the old monolith application (16M+ LoC in PHP / C++) and as a first solution architect in the company, I've lead an initiative to design and execute on new architecture idea that eventually led to breaking large, monolithic platform into the set of 1000+ microservices deployed on the container orchestration platform. During this time, I've been conducting workshops and trainings, teaching new technologies and methodologies. I was mentoring teams, leading R&D projects, speaking at conferences and hiring new engineers.

Education

2009 — 2013 **Computer science**

University of Technology / Poznań

Open-source projects

- **Trino (previously known as PrestoSQL)**

Java / github.com/trinodb/trino

I'm contributor and maintainer of the open-source, massively parallel SQL-based query execution engine. I've upgraded project to JDK 17 and recently to JDK 22. I have improved its' testing infrastructure and updated most of the project dependencies to the latest versions (i.e. moved from javax to Jakarta EE 10).

- **chrome-protocol-proxy**

Go / github.com/wendigo/chrome-protocol-proxy

Tool that makes it easier to work with the chrome debugger API while developing tools and integrations with it.

- **go-bind-plugin**

Go / <https://github.com/wendigo/go-bind-plugin>

go:generate tool for building golang 1.8+ plugins and generating wrappers around exported symbols (functions and variables).

Languages

- Polish (native)
- English (advanced)

Interests

- weightlifting, cycling and swimming,
- supporting pro-democratic initiatives,
- attending live music shows, watching sci-fi tv shows,
- typesetting and typography

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