Mariusz Dubielecki

Software Engineer

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I've been working as a **Java developer for the last 12 years** since I completed my master's degree in Computer Science in 2010. Having had an opportunity to work on many projects, I gained experience in many technologies and frameworks around JVM. I'm interested in **cloud and software architecture**. In my free time, I like automating my home with IOT devices.

🖥 Software skills

Programming languages - proficient in Java, basic knowledge of JavaScript, Python, Go, Scala

Web frameworks - Spring Boot, Spring Cloud, Spring MVC, RestEasy

Databases - RDBMs: MariaDB, MySQL; NoSQL: GCP Datastore, Redis, Elasticsearch

Containerization - Kubernetes, Docker, Docker Compose

Collaboration tools - Jira, Confluence, Slack, Excalidraw

CI/CD - GIT, GitHub Actions, SonarQube, Jenkins, Maven, Gradle, GitOps

Cloud solutions - advanced in GCP, fundamentals of AWS

Scrum - working in scrum team

Microservices architecture - design and implementation of scalable, loosely coupled, distributed systems

APIs - design and implementation of new REST APIs, integration with existing internal and external APIs

💼 Work History

2019-01 - 2023-04

Senior Backend Developer

Pet Circle, Sydney, NSW

- Developing web applications using **microservices** architecture and technologies like **Java EE (Servlets, JAX-RS, JSP), Spring Boot, MyBatis, Java 8/11/17** on **Google Cloud**
- Creating **tech designs** for several projects and documenting existing solutions

- Assuring the **quality** of software by writing high-quality unit tests with **JUnit** 4/5, **AssertJ**, **Hamcrest**, **Mockito**, integration tests with **Spring Cloud Contract**, **Wiremock**, **Testcontainers** and mutation tests with **Pitest.** Practicing **TDD** while working on new features and bugfixes.
- Implementing and optimizing search for product catalogue with **Elasticsearch**
- Organising workshops for developers on **Kubernetes**
- Designing and implementing a solution to improve developers' local environment experience with **GKE**(Kubernetes), **Helm**, **Golang**, **Flux** and **Skaffold**
- Building **REST API guidance** documentation and implementing CI to automatically check for API changes using **openapi-diff** and running **stoplight linter** to assure REST API quality and standards
- Designing and implementing a fully **serverless**, **event-driven** system for mobile&web notifications with **Spring Cloud Function**, **Firebase**, **GCP Cloud Functions**, **GCP PubSub**, **GCP Datastore** and **Protobuff** schema
- Designing and implementing a solution for in-memory cache with **Memorystore (Redis)** and **Jedis**
- Building **REST APIs** - designing, implementing and extending existing APIs

2018-08 -
2018-12

Java Developer

Glamazon, Sydney, NSW

- Developing and maintaining web applications with **Play framework 2** and **Java 8** language
- Setting up logging with **Kibana** (ELK stack Bitnami template & logback)
- Setting up monitoring with **Prometheus** and **Grafana**
- Managing **AWS** infrastructure: **EC2, ECS**, **Fargate**, **CodeDeploy**, **RDS**, **SQS**

2015-01 -
2018-05

Java Developer

Eniro, Warsaw, Poland

is a leading search company for individuals and businesses with operations in Sweden, Norway, Denmark, Finland and Poland. I had an opportunity to work in an international team and my main areas of expertise were:

- Developing and maintaining web applications supporting customers written in Java using **Spring framework (Spring Cloud, Spring Boot)** and **microservices** architecture (i.a. http://mitt.eniro.se/)
- Developing from scratch analytics system for storing and aggregating traffic on Eniro websites written in **Scala** using: **Play, Spark** frameworks, **Cassandra NOSQL** database and **Kafka** message broker.
- Preparing monitoring and deployment configuration for services using: **Jenkins**, **Openshift**, **Grafana**, **Prometheus** and **Graphite**

2010-11 -
2014-12

Java Developer

Agora SA / QUMAK-SEKOM , Warsaw, Poland

is one of the biggest media groups in Poland and the owner of many brands like gazeta.pl, sport.pl, wyborcza.pl. Working in this company I had an opportunity to learn about

developing enterprise solutions on a large scale.

My main areas of expertise were:

- Developing and maintaining web applications with Java EE (including **Servlets**, **JSP**, **JSTL**)
- Developing and maintaining web applications in Java using **Spring** framework and **Apache Solr**
- Developing **OSGI** applications on **Apache ServiceMix**
- Writing and optimizing SQL queries for **Oracle DB**

Certifications

2020-12   GCP: Associate Cloud Engineer

2021-12   GCP: Professional Cloud Architect

2021-08   CKAD: Certified Kubernetes Application Developer

2022-12   CKA: Certified Kubernetes Administrator

Education

2005-10 -
2010-05

Master of Science

POLISH-JAPANESE ACADEMY OF INFORMATION TECHNOLOGY - Warsaw

I completed full-time studies in the field of Information Technology with specialisation in System and network programming.