

I am a highly motivated engineer with a foundation in creating web applications using Java and the Spring Boot framework. Through private projects and self-paced coursework, I have gained basic knowledge in this field and am committed to continuously learning and expanding my skills. I am looking forward to the opportunity to work on innovative software development projects and expand my skillset.

In addition to my technical experience, I have a background in environmental engineering and several years of professional experience in HVAC systems design and advanced flow dynamics simulations (CFD), including experience as a team leader and project manager. I am a team player and possess good communication and presentation skills.

- +48 xxx xxx xxx
- xxxxxxx@xxxx.pl
- [GitHub](#)
- [LinkedIn](#)
- Wroclaw (Poland) / remote

Piotr J.

JAVA DEVELOPER

TECH

- **Java, Spring Boot**
- **MySQL, MongoDB, Hibernate**
- **JUnit, Mockito, Testcontainers, TDD**
- **Git + GitHub**
- **Maven, Docker**
- Basics of **HTML, CSS, JS, Bootstrap**
- Basics of **C#**
- IntelliJ IDEA, Visual Studio Code

LANGUAGES

- **English B2**
- Polish - native

COURSES

- **Harvard University CS50x**
 - Introduction to computer science
- **Java Start**
 - Java fundamentals
 - Webtechnologies
 - Spring framework
- **Java Start**
 - Unit testing

EDUCATION

THE SILESIA UNIVERSITY OF TECHNOLOGY

BEng & MEng | 2002 - 2009 • Environmental Engineering

I agree to the processing of personal data provided in this document for realizing the recruitment process pursuant to the Personal Data Protection Act of 10 May 2018 (Journal of Laws 2018, item 1000) and in agreement with Regulation (EU) 2016/679 of the European Parliament and of the Council of 27 April 2016 on the protection of natural persons with regard to the processing of personal data and on the free movement of such data, and repealing Directive 95/46/EC (General Data Protection Regulation).

IT PROJECTS

LOTTERY-WEB

- Spring Boot lottery game web application, based on modular monolith hexagonal architecture with one module extracted as a microservice
- Tech stack: Java 17, Maven, Git, Spring Boot, Spring Data, MongoDB, Junit5, AssertJ, Mockito, Test Containers, MockMvc, WireMock, Docker, REST-API
- [GitHub](#)
- [C 3 architecture diagram](#)
- Deployed on AWS EC2

HVAC-LIB

- Set of libraries (Java) for moist air properties calculations including typical air thermodynamic processes in the HVAC industry
- Tech stack: Java 16, Maven, Git, Junit5, AssertJ
- [GitHub](#)

SOUND-DAMPENING ANALYZER

- Noise generation, propagation, and dampening C# library for ventilation ducts based on VDI-2081 standard
- Tech stack: C#, .NET, xUnit, Net.Numerics
- [GitHub](#)

BRENT-DEKKER SOLVER

- Java implementation of a math algorithm for finding roots of continuous and single-variable functions, based on a modified version of the Brent-Dekker algorithm
- Tech stack: Java 16, Maven, Git, Junit5
- [GitHub](#)

NON-IT PROFESSIONAL EXPERIENCE

Mechanical Engineer, Team Leader & Manager- Building Services Engineering | 6/2007- 11/2022

- Employment background in leading engineering companies in building industry, self-employed since 2021.
- Managing engineering projects and relationships with domestic and foreign clients & stakeholders a.o. Johnson & Matthey, Daimler AG, Michelin SA, The Hut Group, Enea SA, PGE GiEK SA
- Engineering calculations, advanced flow physics simulations (CFD) • Unlimited license for design in discipline of building services within the scope of heating, ventilation, gas, water and sewerage networks, systems and devices