

# Piotr Stępień

I am passionate about technology and IT, I am constantly developing my skills and constantly looking for new challenges.

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## Work experience

09.2023 - Ongoing, Warsaw - onsite

### **Internship in the Department of Information Technology**

**NBP - National Bank of Poland**

Year-long paid internship in the Department of Information Technology and Telecommunications. The work involves monitoring and operating applications, including writing SQL scripts to extract data for various business reports.

Additionally, tasks include developing and testing applications written in .NET using T-SQL and the Dapper ORM.

07.2022 - 08.2022, Kielce - onsite

### **C# programmer**

**GamaSystem**

Assist with simple tasks using C# and SQL. Student internships during engineering studies.

04.2016 - 05.2016, Końskie - onsite

### **Computer hardware service technician Komputronik**

Diagnostics and repair of customers' personal computers. Apprenticeships while attending technical school.

## Training, courses and certificates

12.2023

### **Microsoft Certified: Azure AZ-900**

06.2017

### **Vocational qualification: computer technician**

04.2017

### **CISCO Networking Academy IT Essentials**

11.2015

### **Driving license cat. B, A2**

## Education

2022 - 2023

### **MSc in Computer Science**

Kielce University of Technology

2018 - 2022

### **BSc in Computer Science**

Jan Kochanowski University in Kielce

2013 - 2017

### **IT Technical School**

Technical Secondary School Complex nr 1 in Końskie

## Languages

Polish (native)

English (B2)

## Skills

C# - .NET - SQL - TSQL - Azure - Docker - TypeScript - ReactJs - HTML - CSS - Javascript - jQuery - SASS - Git - Github - Webpack

# My Projects

## Portfolio/CV application using CI/CD Techniques

<https://github.com/piotrstepiennn/Portfolio-CV-app>

The application serves as a minimalist portfolio/CV. The application is configured using CI/CD techniques. The main goal of its creation, besides presenting myself, was the hands-on configuration of the technology used in CI/CD process. This allowed for automated testing, building, creating a Docker image, and deploying the application image to an Azure virtual machine after each push commit to GitHub. The application currently operates on Azure Service App due to the excessively high costs of maintaining the infrastructure I used during CI/CD. The technologies used for developing the application and CI/CD are listed below.

### Technologies:

Frontend: Reactjs, Typescript

CI/CD: Github, Docker, Kubernetes, Jenkins, Azure

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## Authentication system using 3D modeling

[https://github.com/piotrstepiennn/MultiAuthenticationApp\\_.NetCoreWebApi-React](https://github.com/piotrstepiennn/MultiAuthenticationApp_.NetCoreWebApi-React)

The project involves the development of an innovative authentication system that utilizes 3D modeling techniques. Within the project, efficient authentication methods have been developed, such as 3D captchas, access code generation, and their delivery via email and mobile application, etc. Additionally, a server security system has been implemented, including SSL certificate, hashing function for data integrity verification, and the use of JWT tokens for server-side actions, etc.

### Technologies:

Frontend: TypeScript, React, threejs

Backend: asp.net core web api

Mobile App: .NET MAUI

Database: MSSQL Express

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## Mobile application to support warehouse management

[https://github.com/piotrstepiennn/warehouse-mobile-application-with-BarcodeScanner\\_XAMARIN](https://github.com/piotrstepiennn/warehouse-mobile-application-with-BarcodeScanner_XAMARIN)

A mobile application to help manage a warehouse made using C# and Xamarin.Forms. The application has CRUD methods implemented, i.e. creating, reading, updating and deleting a product from the database. The application also allows you to scan the barcode of a product using the camera of your phone (or other mobile device with a camera), if it exists in the database it displays the name, barcode and quantity of the product in the warehouse, otherwise it displays the information that the product does not exist, but you can add it to the database using the application.

### Technologies:

Mobile App: Xamarin.Forms, ZXing, C#

Database: MSSQL Express