Pawel Sznura

E-MAIL ADDRESS: pawelsz99@gmail.com   TELEPHONE NUMBER: +39 351 690 6075

PERSONAL PROFILE

Experienced Software Engineer with expertise in .NET C#, Microservices, and Back-end development, currently contributing to impactful projects at Moveax, Rome, Italy. Well-versed in Agile-Scrum and Domain Driven Design (DDD), shaping the architectural design and development of large-scale initiatives. Awarded the Best Honors Project in Information Systems for Applying AI Image Generation Methods to Swimwear Design during BSc (Hons) Computing at Robert Gordon University. Proficient in Python, PyTorch, and creative workflow integration. A results-driven professional dedicated to delivering comprehensive solutions and fostering collaboration within dynamic software development teams.

WORK HISTORY

Moveax, Rome, Italy - Software Engineer   06.2023 – ongoing

- .NET C#
- Microservices
- Back-end
- Agile-Scrum, Domain Driven Design (DDD)
- TypeScript
- REST APIs
- PostgreSQL

In my role as a Software Engineer at Moveax, I actively contribute to a large-scale project, specializing in .NET C#, Microservices, and Back-end development. Operating within an Agile-Scrum framework and guided by Domain Driven Design (DDD) principles, I shape the architectural design and development of our projects.

A significant aspect of my responsibilities involves close collaboration with the frontend team. I seamlessly integrate changes into the backend REST API C# code within a microservices architecture. TypeScript becomes my tool of choice when tackling occasional frontend tasks, ensuring a cohesive and efficient development process. This approach underscores my commitment to delivering comprehensive solutions and fostering a synergistic environment within our dynamic software development team at Moveax.

Capgemini, Poland - German-speaking assistant for technical support (part-time)   12.2018 – 07.2019

- Problem solving
- Analytical
- Attention to detail
- Team-minded

As a first-line technician, I engaged directly with clients, identifying and documenting IT issues. My responsibilities included resolving problems independently or escalating them to specialized technicians. This role enhanced my analytical skills, attention to detail, and teamwork mindset. It significantly contributed to my effective communication in German and understanding of client needs within the technical support framework at Capgemini.

EDUCATION

Robert Gordon University, Aberdeen, UK - BSC Hons Computing: Application Software Development with First Class Honours   2021-2023

Honours Project – Grade A, **Best Honors Project in Information Systems award presented by CGI**
Applying AI Image generation methods in the process of Swimwear Design.

- Python, PyTorch
- Off the shelf machine learning models
- Image-to-Text and Text-to-Image
- Implementing AI models into a creative workflow

Leveraging off-the-shelf machine learning models for Image-to-Text and Text-to-Image transformations. Demonstrated expertise in implementing AI models into the creative workflow of swimwear design. Explore my project outcomes in the image gallery.

Artificial Intelligence for Problem Solving – Grade A
Building an A* search algorithm using a provided library for problems like puzzles, multiplayer games, configurations, and path finding in Python. The theory of case-base reasoning and genetic algorithm.

Data Visualisation – Grade A
Building a data visualisation dashboard, combining and cleaning multiple datasets. Deploying the visualisation using Python, Streamlit which is available at: [Region differences in Italy based on income, car and petrol prices](#).

Big Data Analytics – Grade A
Building a Machine learning classifier to predict the quality of wine

- Python, Jupyter Notebook
- ML Classifier
- Libraries: Pandas, NumPy, Seaborn, Imblearn, Sklearn
- Techniques: Random Forest, Decision Tree, Support Vector, SMOTE sampling

Additional activities:
RGU Computing Society:
Google Hash Code 2022 - a team programming competition to solve an optimisation problem.
RGU Hack 2022 - Goal? To code something awesome in just 24 hours.

North East Scotland College, Aberdeen UK - HND Computing: Software Development   2019-2021
Graded unit project - grade: A
Android Native Mobile App – "Formula Pit Stop" Compares and analyses the pit stop times of F1 drivers, using data from an API. The app is available at Google Play: [Formula Pit Stop - Apps on Google Play](#)

PERSONAL PROJECTS

Which City is closer – Kotlin Android App (ongoing)

"Which city is closer" is a fun and challenging geography quiz game that tests your knowledge of distances around the world. Rewriting the Java version of the App into Kotlin and preparing to publish on Google Play

TECHNICAL SKILLS

C# / .NET, REST APIs, PostgreSQL, Python, Kotlin, Java, Android, Streamlit

LANGUAGES

Polish - Native proficiency   German - Professional working proficiency
English - Professional working proficiency   Italian - Elementar proficiency

COURSES AND CERTIFICATES

Udacity - Android Development, Kotlin
2020 - Developing Android Apps with Kotlin by Google

HOBBIES

Technology - starting from video game to self-driving cars
Football - does not matter if playing or watching
Running - focusing on 5Km distance with a marathon on the horizon
Cycling – everyday riding but also bikepacking
Geography and History - exploring how historical events, environmental conditions, and geographical features have shaped societies in the past and continue to.

LINKS

LinkedIn: https://www.linkedin.com/in/pawel-sznura-8b95b2137/
University work GitHub: https://github.com/pawelsznura
Personal GitHub: https://github.com/pawelsz99
Google Play Store profile: https://play.google.com/store/apps/developer?id=Pawel+Sznura