Pawel Sznura

Software Engineer | Rome, Italy | Polish nationality

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PERSONAL PROFILE

Software Engineer and Team Lead with over 2 years of experience delivering backend and full-stack solutions in **.NET 8, C#, microservices, and Angular/TypeScript** for defense-sector projects. Responsible for leading a small development team, planning tasks, mentoring developers, and ensuring client satisfaction through effective communication and stakeholder engagement. Strong expertise in **PostgreSQL, performance optimization, event-driven architectures, containerization, and CI/CD pipelines**. Maintainer of an internal Go-based CLI tool, demonstrating initiative in tooling, DevOps, and open-source practices. Award-winning graduate with **First Class Honours in Computing**, specializing in AI, data visualization, and machine learning. Passionate about continuous learning and delivering innovative, high-impact software solutions.

PROFESSIONAL EXPERIENCE

Moveax, Rome, Italy – Software Engineer / Team Lead
06.2023 – ongoing

- Since **March 2025**, responsible for leading Moveax's contribution to a major defense-sector project: coordinating a small development team, managing planning, task definition, and Scrum ceremonies.
- Main point of contact with stakeholders for requirement clarifications and scope changes, applying domain knowledge to ensure smooth delivery.
- Focused on **customer satisfaction** by filling in gaps in vague requirements, delivering on time, and maintaining professional communication.
- Mentored new developers to support onboarding and team integration.
- Hands-on backend development with **.NET 8, C#, Entity Framework, PostgreSQL, and REST APIs** in a microservices environment.
- Designed and optimized custom full-text search functionality and resolved critical database performance issues (e.g., excessive open connections).
- Delivered **real-time Angular dashboards** to process live event streams and display offline event data; improved stability of existing frontend codebase.
- Contributed to containerization (Docker) and CI/CD pipelines (Azure, GitHub Actions, Bitbucket), including k6 performance testing.
- Familiar with event-driven architecture concepts and their application in distributed systems.
- Additional exposure across projects with Python, TypeScript/NestJS, Go, and Java Spring Boot.

Moveax, Rome, Italy – Release Manager (Go, Internal Open-Source Initiative)
2025 – ongoing

- Maintainer of **Release Manager**, a Go-based CLI tool designed to manage application versions and release notes, currently used internally and being refactored for open-source release.
- Lead the project's architecture and development, including rewriting it to support **monorepos** and improve scalability.
- Implemented features for automated **version management, and release note generation**, streamlining internal release processes.
- Actively manage contributions, testing, and documentation as part of the **maintainer role**, ensuring code quality and usability.
- Applied DevOps and CI/CD practices to integrate tool usage in development pipelines.

Early Experience

- Capgemini (2018–2019) – Part-time Technical Support (German-speaking), developed client-facing professionalism and problem-solving skills

EDUCATION

Robert Gordon University, Aberdeen, United Kingdom
BSc (Hons) Computing: Application Software Development, **First Class Honours**
2021 – 2023

- **Honours Project** – Grade A, Winner of Best Honours Project in Information Systems (CGI Award): Applied AI image generation methods in fashion design using Python and PyTorch.
- Key modules:
    - **Artificial Intelligence for Problem Solving** – A* search, case-based reasoning, genetic algorithms
    - **Data Visualization** – Dashboards with Python/Streamlit; analyzed regional income and cost-of-living in Italy
    - **Big Data Analytics** – ML classifiers for wine quality prediction (Random Forest, SVM, SMOTE)
- Extracurricular:
    - Member of RGU Computing Society
    - participated in Google Hash Code 2022 and RGU Hack 2022

North East Scotland College, Aberdeen, United Kingdom
HND Computing: Software Development
2019–2021

- Graded Unit Project – Grade A: Android native app in **Kotlin** "Formula Pit Stop" for analyzing F1 pit stop data

TECHNICAL SKILLS

- **Programming & Frameworks:** C# / .NET 8, Python, Kotlin, Java, Go, TypeScript, Angular, Android, Streamlit
- **Backend & Databases:** REST APIs, PostgreSQL, microservices, event-driven architecture
- **DevOps & Tools:** Docker, CI/CD (GitHub Actions, Bitbucket Pipelines, Azure DevOps), performance testing with k6
- **Methodologies & Practices:** Agile-Scrum, Domain Driven Design (DDD), full-stack development

LANGUAGES

- **Polish:** Native
- **English:** Professional
- **German:** Professional
- **Italian:** Elementar

HOBBIES & INTERESTS

Technology (AI, software development, gaming), cooking, football, running, cycling / bikepacking, geography, history

ONLINE PRESENCE

LinkedIn: https://www.linkedin.com/in/pawel-sznura-8b95b2137/
GitHub (Personal): https://github.com/pawelsz99
GitHub (University Projects): https://github.com/pawelsznura/
Portfolio & CV: https://pawelsz99.github.io/