

# GREG PANKOWSKI, MSc, BEng

## Senior Software Developer

07395 583791 | Croydon | greg.pankowski@gmail.com | <https://gpankowski.com>  
<https://www.linkedin.com/in/grzegorz-pankowski-aa292070>

### PROFESSIONAL SUMMARY

High performing software engineer with 15 years of experience developing software across diverse industries. Confident in my ability to lead the teams to successfully deliver projects on time with high quality. Skilled in collaborating effectively with diverse teams, drawing from work experience in Europe, Asia and North America. Committed to continuous improvement and team success.

### AREAS OF EXPERTISE

- Cloud computing
- AWS
- Backend
- C# / .NET
- JAVA
- GO, GORM, GIN
- Python
- DynamoDB
- PostgreSQL
- Continuous Deployment
- Test Driven Development
- SCRUM

### PROFESSIONAL EXPERIENCE

#### Senior Software Developer | Sep 2024 - present (1 year)

**Trayport**, London, UK

*Modernizing Joule, Trayport's flagship trading platform, through migration, testing, and integration enhancements for high-performance financial markets.*

- Contributed to migration of product from **.NET 4.8** to **.NET 8**, focusing on **networking, localization**.
- Modernized and re-architected the testing infrastructure by migrating from **NUnit Console** to **dotnet test**, enhancing automation, parallel execution, and **TeamCity CI/CD** workflows.
- Optimized the build system by consolidating project artifacts into shared output directories, achieving a **98% reduction in disk space usage** and faster build times.
- Modernized the **Excel-DNA integration layer**, replacing legacy **.NET Remoting** with **Named Pipes** for secure and efficient inter-process communication; **led two developers** through full delivery
- Led and delivered the **AutoTrader Order Entry Dialog revamp**, enabling creation of multi-leg spreads with a redesigned user interface and improved WPF controls; led two developers and coordinated cross-team efforts with product management and Vienna-based engineering groups.

#### Staff Software Engineer | Oct 2015 - Aug 2024 (8.5 year)

**Thermo Fisher Scientific**, Silicon Valley, California

*Guiding as the technical lead, overseeing the development and implementation of critical cloud-based solutions, notably leading the team in the creation of Policy Management and Audit web-services.*

- Assigned as a team's technical lead
- Proposed, prototyped and lead implementation of the Policy Management web-service. Critical part of the Ardia platform that is predicted to generate \$250M by the end of 2025. (Go, Gin, Casbin, gRPC)
- Full stack development of the Audit web-service in Ardia cloud platform along with NuGet library for client services (C#, TypeScript, Vue.js, PostgreSQL)
- Researched and implemented OPC (set of communication standards) interface server that allowed to monetize our auto-sampling service (C#, OPC)
- Designed and implemented API & backend for Data Processing Service (performance hungry features)
- Lead developer of tablet app controlling the instrument (ICS-6000 Tablet App on Microsoft Store) (C#, MVVM, UWP)

**Software Engineer** | Sep 2011 – Apr 2015 (3.5 year)

**Siemens Medical Instruments, Singapore**

*Contributed to Connexx development, the leading hearing aid fitting software in the highly regulated and quality-driven medical environment. Managed high-risk features, served as a Scrum Master for six months.*

- Collaborated on the Connexx development - software used by 400,000 clinicians worldwide
- Proposed, designed and implemented plug-in architecture for measurement devices, enabling independent driver development and reducing software release time by an estimated 500%. (C#)
- Added support for 3 measurement devices (2 in C#, 1 in C++)
- Implemented Patients-Data-Sheet printout with flexible template (C#, HTML)
- Trusted with 2 high risk features: design and implementation (infant warning and output to patient's ear)

**Software / R&D / Process Engineer** | Feb 2009 – Aug 2011 (2.5 year)

**Hypertronics / Coherent, Singapore**

*Thrived in a fast-paced startup environment, collaborating with hardware, firmware, sales, and customers while taking full responsibility for software development. Completed multiple projects end-to-end, directly contributing to revenue.*

- Lead 2 engineers in 3D Laser Marking software project - developed representation of objects in 3D space and conversion of 2D vectors onto 3D object (C#, WPF 3D)
- Created CAD editor supporting: simple shapes, formatted text, QR barcode and bitmap import. Implemented vector recalculation for lens distortions. Supervised 2D barcode development and support of AutoCad file import. Designed laser controlling API with firmware engineers (C#)
- Developed company's most complex automation systems - high accuracy automation machine consisting of 9 motors, 2 cameras, pneumatic system and temperature controllers, aligning two 7" elastic disks with precision of 10um (C++)
- Researched and developed the company's first WPF application. User-friendly, visually attractive prototype has secured a project for microchips de-capping system. Later implemented the project resulting in 450K revenue of the first batch.

**Network Administrator** | May 2007 – Oct 2007 (0.5 year)

**Brand Distribution and Development, London, UK**

*Started as a Network Administrator then transitioned to web development, completed both projects within a short span of six months.*

- Setup and maintenance of three Windows 2003 servers
- Redesigned, reimplemented and deployed company website (HTML, CSS, PHP)

## PERSONAL PROJECTS -----

- Day trading application in Python that used an unofficial Robin Hood API. It was running 24/7 on AWS: LightSail (Python3, Aws:LightSail, Linux)

## EDUCATION -----

**Koszalin University of Technology, Poland**

- Master of Science in Engineering, Computer Science (1 year Student Exchange at Brunel University, UK)
- Bachelor of Science in Engineering, Computer Science

## CERTIFICATIONS -----

- Professional SCRUM developer 1 - scrum.org
- Oracle Certified Associate, Java SE 8 Programmer - Oracle

## WORK ELIGIBILITY -----

US: Citizen | EU: Citizen (Poland) | UK: Skilled worker visa required