Robert Grodzki

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GitHub: github.com/rob-gro · **Portfolio:** robgro.dev · **LinkedIn:** linkedin.com/in/robert-grodzki

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Professional Profile

Entry-level Java Developer with practical experience in Java, Spring Boot, REST APIs, and SQL databases. Skilled in Python for AI integrations (OpenAI, Whisper, Qdrant) and modern tools including Git, Docker, and IntelliJ. Brings strong problem-solving ability and accountability, developed through industrial project management and safety-critical roles. Experienced in working across international teams and adapting quickly to new technologies and environments. Based in Dundee, Scotland; available immediately.

Key Skills / Tech Stack

- **Languages & Frameworks**: Java, Spring Boot, REST APIs, Hibernate, JPA, Python (Flask, AI/ML), JavaScript (basic)
- **AI & Integrations**: OpenAI API, Whisper, Machine Learning, Qdrant (embeddings, semantic search), Discord Bot integration
- **Databases**: MySQL, PostgreSQL, MongoDB, MariaDB, Qdrant (vector database)
- **Tools & Platforms**: Git/GitHub, IntelliJ IDEA, Maven, Lombok, Heroku, Docker (basics)
- **Web (basic)**: HTML5, CSS3, Bootstrap, Thymeleaf
- **Other**: Industrial project management background, Safety-critical operations, technical troubleshooting

Personal Projects (2019 – Present)

Professional Timesheet & Invoice System (Java, Spring Boot, MySQL, JWT, PDF Generation, Email Integration)
- Enterprise-grade application for SMBs with time tracking and automated invoice generation (PDF + email).
- Implemented JWT authentication with multi-role access (Admin/User).
- Integrated payment tracking, annual reporting, and audit features.
- Result: Production-ready business-critical solution for small businesses, enabling faster invoicing and improved financial control.

AI-Powered Expense Tracker (Python, Flask, OpenAI, Qdrant, ML, MySQL)
- Voice-driven expense tracker using OpenAI Whisper for transcription.
- Automatic categorization with GPT-3.5 and Qdrant vector DB for semantic search.
- Integrated Discord bot for remote entry and reporting exports (CSV, Excel, PDF).
- Result: Adaptive, scalable multi-language (PL/EN) expense tracking system with advanced reporting.

Microservices E-Commerce Platform (Java, Spring Cloud, MongoDB, MySQL, OAuth2, Resilience4j)
- Distributed e-commerce architecture with API Gateway and Eureka Service Discovery.
- Implemented Circuit Breaker pattern (Resilience4j) and OAuth2/JWT security.
- Microservices for product, inventory, and order management with distributed tracing (Zipkin, Sleuth).
- Result: Fault-tolerant, cloud-native architecture demonstrating scalability and enterprise-level design.

More projects available on GitHub (github.com/rob-gro) and portfolio (robgro.dev).

Education

B.A. in Economy — Gdańsk Higher School of Humanities, Poland (2001)
(MBA coursework completed, final exam not taken)

Experience

Dover Fueling Solutions — Dundee, Scotland | Sep 2019 – Present
Payment Terminals Operator
- Tested and assembled payment terminals, uploading and updating firmware/software packages.
- Diagnosed and resolved issues during flashing or initial operation, ensuring fully functional devices for further verification.

Final Fuel Dispenser Wet Test Operator
- Performed wet tests and calibration of dispensers, holding final responsibility for quality sign-off before shipment to clients.
- Ensured compliance with safety standards and documented results.

Wiring Operator
- Assembled, wired, and integrated panels and electrical components into complete dispensers, in line with client specifications and BS 7671 standards.
- Prepared units for dry testing to verify correct electronic functionality.

Sparks Mechanical Services Ltd. — Aberdeen, Scotland | Dec 2014 – Jun 2019
Electrician
- Performed 1st fix installations, including cabling, containment systems, and distribution boards.
- Carried out 2nd fix works, installing sockets, switches, lighting, and final connections in compliance with BS 7671 standards.
- Independently executed electrical tasks on active construction sites, ensuring safety and timely completion.
- Collaborated with other trades on site to integrate electrical installations with mechanical and building systems.

Qtech Ltd. — Gdańsk, Poland | Dec 2005 – Nov 2014
Project Manager / Logistics Specialist / Financial Analyst
- Managed modernization and relocation projects in Poland, Sweden, Norway, and Finland, with responsibility for scheduling, budgeting, and client requirements.
- Organised and supervised logistics for industrial projects, including procurement, material supply, equipment transport, and site support.
- Coordinated subcontractors and worked directly with clients to ensure safe and timely delivery of on-site activities.
- Conducted financial analysis of projects and individual company departments, preparing cost and control reports for management.

International assignments: 2008–2013, various industrial sites across Scandinavia (Sweden, Norway).

Earlier roles in Poland (1997–2005): logistics and sales leadership positions in FMCG and retail.

Certifications & Training

• AI_devs 3: Agents (2025) — LLM APIs, prompt engineering, RAG, agent frameworks, deployment
• Trained in UK electrical & safety standards: BS 7671 (17th Edition), Scottish Building Standards, Asbestos Awareness, IPAF, PASMA

Languages: Polish (Native), English (B2 — professional working proficiency)