BARTLOMIEJ BARAN

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📍 Available for remote work across EU & UK

SUMMARY

Senior Software Engineer with experience building scalable systems across cloud infrastructure, embedded platforms, and SaaS products. Skilled at working across industries - from enterprise storage to pharmaceutical tech - with a focus on designing reliable, high-performance solutions.

KEY SKILLS

- Programming: C, Python, Java, TypeScript
- DevOps: Docker, Linux Systems
- Embedded Systems Engineering
- Networking Protocols
- Backend Development
- API Design
- Database Systems

WORK EXPERIENCE

Chief Technology Officer, Co-Founder, Blynksolve   **Mar 2024 - June 2025**

- Led the architecture and development of a cloud-native, real-time analytics platform for pharmaceutical manufacturing, delivering operational insights and digital twin modeling capabilities.
- Designed and implemented scalable SaaS infrastructure, integrating with industrial systems for process optimization and deviation detection.
- Built high-integrity data architectures and backend systems to support secure, real-time operational intelligence, ensuring reliability, performance, and regulatory compliance.

Mts. Software Engineer, NetApp Inc.   **Jun 2022 - Mar 2024**

- Developed embedded system components for enterprise storage platforms, focusing on Baseboard Management Controller (BMC) integration to enable robust system monitoring, remote management, and recovery capabilities.
- Delivered production-grade firmware solutions for Linux-based environments, ensuring high availability and performance under strict reliability standards.
- Defined technical specifications, contributed to the full product lifecycle, and collaborated across hardware, software, and quality engineering teams to deliver secure, scalable infrastructure solutions.

Embedded Systems Engineer, Manna Drone Delivery   **May 2021 - June 2022**

- Developed and optimized embedded systems and wireless communication protocols for autonomous drone platforms.
- Built device firmware, ensuring real-time reliability and efficient data transmission.
- Improved telemetry systems and control software, enhancing operational performance and system responsiveness.
- Collaborated cross-functionally with engineering and QA teams to deliver robust, field-tested solutions.

Software Engineer, Northflank Ltd.   **Sep 2020 - May 2021**

- Developed full-stack features across a Kubernetes automation cloud platform, contributing to scalable, high-availability service deployments.
- Automated developer onboarding processes and optimized service configuration workflows, improving operational efficiency through Docker containerization and template management.
- Enhanced platform usability and internal tooling, collaborating closely with cross-functional teams to streamline deployment pipelines and improve system performance.

Software Engineer Intern, Eiratech Robotics   **Mar 2020 - Sep 2020**

- Designed and prototyped custom PCB solutions to support internal automation tools and robotics systems for warehouse environments.
- Developed and deployed a computer vision system to enhance warehouse automation capabilities, improving accuracy and operational efficiency.
- Built internal software tools with Python and React to automate hardware testing workflows, streamlining engineering processes and reducing development cycles.

Software Engineer Intern, Wia   **Jan 2019 - Sep 2019**

- Contributed to the development of IoT platform features, enhancing device management, data ingestion, and real-time processing pipelines.
- Built and maintained internal tools and user-facing web applications, focusing on reliability, scalability, and seamless integration with cloud services.
- Collaborated closely with product and engineering teams to improve platform architecture, optimize API performance, and support rapid feature delivery.

EDUCATION   **B. Eng. in Electronic & Computer Engineering**   **Sep 2017 - May 2021**
Dublin City University

- Major in Semiconductor Devices
- First Class Honours
- Recipient of Chancellor's Medal 2022

LANGUAGES   Fluent in English, Polish and Spanish.