

# BARTLOMIEJ BARAN

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📍 Available for remote work across EU & UK

## SUMMARY

Full-stack engineer and technical leader with CTO experience building scalable cloud-native systems, SaaS platforms, and embedded solutions. Track record spanning enterprise storage, pharmaceutical manufacturing, and education technology, with expertise in architecting reliable, high-performance applications from concept to production.

## KEY SKILLS

- Programming: C, Python, Java, TypeScript
- Backend Development
- DevOps: Docker, Linux Systems, AWS, Azure
- API Design - REST/tRPC/GraphQL
- Embedded Systems Engineering
- Database Systems - SQL/NSQL
- PCB design and mechanical assembly

## WORK EXPERIENCE

### Chief Technology Officer, [Bartlomiej Baran Ventures Limited](#) July 2024 - Current

- Led full-stack development and technical strategy for diverse B2B and B2C clients, delivering scalable web applications and platform features across education technology and consumer sectors.
- Architected and implemented premium voice read-aloud functionality and experimentation infrastructure for a major educational platform, including A/B testing frameworks for user engagement optimization.
- Designed and built web applications for an AI-powered farm assistant, delivering end-to-end solutions from requirements gathering to deployment.

### Chief Technology Officer, Co-Founder, [Blynksolve](#) Mar 2024 - Current

- 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 Technologies](#) 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.

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**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](#)

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**LANGUAGES**

Fluent in English, Polish and Spanish.