Robert Bordianu

Director | VP DevSecOps and Quality

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SUMMARY

Experienced Director and VP of DevSecOps & Quality with over a decade of experience in software engineering. I champion R&D and drive operational excellence across global development teams. A generalist at heart, I leverage a broad technical skill set and strong leadership to transform teams and businesses. My expertise lies in solution engineering, optimising workflows, and implementing best practices to improve performance and business outcomes. I specialise in secure microservices development, distributed systems deployment, API design, and cloud infrastructure optimisation. I also contribute to academia by teaching Ethical Hacking at the University of Limerick and evaluating student projects at Griffith College Limerick.

SKILLS

- **Compliance:** ISO 27001, SOC 2, GDPR
- **Methodologies:** Agile, Scrum, CI/CD, Immutable Infrastructure, Zero Trust Architecture
- **Cloud Platforms:** Amazon Web Services (AWS), Google Cloud Platform (GCP)
- **DevSecOps Tools:** Jenkins, GitHub Actions, GitLab CI/CD, Ansible, AWS CDK, Terraform
- **Container / Orchestration:** Docker, Kubernetes, Amazon ECS and EKS
- **Other Services:** MySQL, Redis, SQS, SNS, MQTT / WebSockets, Kafka, ELB, API Gateway
- **Observability & Monitoring:** CloudWatch, OpenTelemetry, Grafana, Logstash, Prometheus
- **Security Tools:** SonarQube, Nexus Vulnerability Scanner, OpenVAS, Trivy
- **Programing Languages:** TypeScript / JavaScript, Python, Lua, Bash, YAML

EXPERIENCE

Company Director

Powerverse - Limerick   January 2024 - August 2025

- Oversaw daily operations for two Irish entities, ensuring efficiency and compliance.
- Collaborated with IDA Ireland on feasibility studies and R&D projects to drive innovation.
- Managed annual R&D tax returns, optimising financial benefits for the company.
- Fostered relationships with local suppliers to enhance operational effectiveness in Limerick.

VP DevSecOps and Quality

Powerverse - Limerick   January 2024 - August 2025

- Orchestrated the DevSecOps and QA functions for the engineering department, defining and executing a strategic DevSecOps vision that aligned with key business objectives.
- Integrated security practices directly into the Software Development Lifecycle (SDLC), resulting in a significant enhancement of overall software resilience.

- Streamlined internal processes by implementing automation tools, leading to a 30% increase in operational efficiency enabling faster feature delivery and reduced time-to-market.
- Championed an Everything as Code methodology to improve infrastructure management and observability, strengthening the security posture.
- Managed all IT services and directed the company's cybersecurity strategy, including overseeing penetration testing and conducting comprehensive cyber maturity assessments.

DevSecOps Manager

Powerverse - Limerick   January 2023 - January 2024

- Built and led a high-performing DevSecOps team to successfully execute the IT migration from Lightsource Labs to Powerverse.
- Architected and implemented new cloud infrastructure and services to support the company's rebranding initiative.
- Developed and implemented secure SDLCs, CI/CD pipelines, and Infrastructure as Code (IaC) using Ansible and Jenkins, automating security gates and accelerating deployment.
- Worked with all the Engineering teams to help get their components from code to deployed and monitored services.

Senior DevOps Engineer

Powerverse - Limerick   January 2021 - January 2023

- Implemented and improved the Software Development Life Cycle (SDLC) process across multiple teams, optimising Git workflows and CI/CD pipelines.
- Developed and implemented Infrastructure as Code (IaC) for deployment in diverse AWS environments and regions, improving system reliability and performance.
- Championed IoT initiatives to integrate cutting-edge technologies.
- Main lead of the Energy pilot in a EU cybersecurity R&D project - CyberSANE

Solution Architect

Powerverse - Limerick   April 2018 - January 2021

- Design and help implement a distributed cloud infrastructure for an Internet of Things cloud broker that collects data and communicates with hundreds of devices across the globe.
- Help develop some of the software components for the ubiworx IoT gateway framework.
- Implemented and improved the Software Development Life Cycle (SDLC) process for the IoT team.
- Main lead of the Energy pilot in a EU cybersecurity R&D project - THREAT-ARREST

Software Engineer

Emutex - Limerick   July 2013 - April 2018

Founding member of ubiworx - an IoT software framework for embedded systems - successfully acquired by Lightsource bp (Lightsource Labs now rebranded as Powerverse).

- One of the main contributors to the internal development of an IoT framework project with contribution to the device registration, data transport, RESTful API and device management components.
- Build Proof of Concept (PoC) applications in the IoT space, from connected cars to vending machines, activity trackers and industrial plant monitoring.
- Focused since 2016 on residential renewable energy solutions.
- Support customers in managing their IoT devices.
- Mentor at multiple hackathons in DCU Alpha, Dogpatch Labs and private ones in Intel Leixlip.

- Presented at multiple trade shows like Maker Faire Rome / Dublin, Mobile World Conference Barcelona and Embedded World Nuremberg.

Web Developer

Self Employed - Dublin   March 2008 - June 2013

- Website design and development.
- Small projects building parts of a service API, private dropbox system.

EDUCATION

MSc in Network and Information Security

Griffith College Limerick   September 2018 - January 2020

BSc Information Systems and Information Technology

Dublin Institute of Technology   September 2011 - January 2017

ACADEMIC EXPERIENCE

Member of staff (Seasonal)

Immersive Software Engineering - University of Limerick   March 2025 - Present

- Teaching Ethical Hacking with practical tools and techniques.

External Examiner (Seasonal)

Griffith College - Limerick   May 2021 - Present

- Evaluate projects for MSc and BSc students.

AWARDS

Emutex Software Innovator Of The Year 2013

Dublin   May 2013