

# Byron Murgatroyd

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## PROFESSIONAL SUMMARY

Experienced Senior Platform Engineer with a track record of designing scalable, automated cloud infrastructure across AWS and Azure. Passionate about open-source technologies, Kubernetes, and enabling development teams through robust, self-service platforms. Proven ability to deliver high-availability systems at scale with a strong DevSecOps and observability focus.

## KEY SKILLS

- Kubernetes, Docker, Terraform, Helm, GitLab CI/CD, Prometheus, Grafana
- AWS, Azure, GCP (basic exposure), RedShift, Vault, Consul
- Node.js, Golang, Python, Bash, TypeScript
- Infrastructure as Code (IaC), Observability, AIOps, Zero Trust, ISO 27001, SOC2

## KEY QUALIFICATIONS

- LPIC-305 Virtualization and Containerization — Linux Professional Institute
- Edexcel Macromedia Award in Digital Applications Level 2

## EXPERIENCE

<b>Senior Platform Engineer - <a href="#">Builder.AI</a></b>	<b>Sept 2023 - June 2024</b>
<ul style="list-style-type: none"><li>• Designed and implemented a modular, cloud-agnostic application delivery platform supporting Builder.ai's ML workloads, enabling seamless and scalable deployment of AI-generated applications across diverse environments.</li><li>• Orchestrated and maintained over 3,000 Kubernetes clusters distributed across Azure and AWS, ensuring consistent high availability, fault tolerance, and cost-efficient auto-scaling capabilities.</li><li>• Spearheaded the development and rollout of a comprehensive security compliance and auditing framework, significantly improving governance and traceability across the entire platform estate.</li><li>• Integrated real-time telemetry from Kubernetes clusters and CI/CD pipelines into AWS RedShift, enhancing visibility and enabling data-driven operational insights for platform reliability and performance.</li><li>• Collaborated cross-functionally with DevOps, ML, and Product teams to streamline deployment workflows, accelerate iteration cycles, and uphold security best practices across environments.</li></ul> <p><b>technologies used:</b> Kubernetes, GitLab, Vault, Go, Python, Ruby, Azure, AWS</p>	
<b>DevOps Senior Consultant - <a href="#">Radically Digital</a></b>	<b>Apr 2022 - Sept 2022</b>
<ul style="list-style-type: none"><li>• Led the design and implementation of secure, scalable, and production-grade AWS environments using Infrastructure as Code (IaC) principles with Terraform and automated CI/CD workflows.</li><li>• Delivered reusable, modular infrastructure components to accelerate project bootstrapping and reduce duplication across client engagements.</li><li>• Established DevOps best practices across the consultancy, authoring internal standards, technical documentation, and onboarding material to support knowledge sharing and consistency.</li><li>• Collaborated with cross-disciplinary teams to embed security, observability, and automation into the SDLC from the outset of each engagement.</li></ul> <p><b>technologies used:</b> GCP, AWS, Node.js, Typescript, Golang, Python, Bash, Terraform</p>	
<b>DevOps III (Senior) - <a href="#">Synchronoss Technologies</a></b>	<b>Dec 2018 - Feb 2022</b>
<ul style="list-style-type: none"><li>• Led the company-wide transformation of container orchestration infrastructure, migrating legacy Kubernetes clusters to Amazon EKS, fully managed through Infrastructure as Code using Terraform and Helm.</li><li>• Designed and implemented a secure, decentralised authentication system grounded in zero-trust security principles, reducing reliance on static secrets and enhancing internal service communication.</li><li>• Developed a custom Helm-to-Terraform converter, enabling consistent resource provisioning and reducing the complexity of managing hybrid infrastructure definitions.</li></ul>	

- Built an automated resource lifecycle management framework, integrating provisioning, auditing, and decommissioning across the CI/CD pipeline.
- Championed the adoption of modern DevOps practices across engineering teams, introducing robust CI/CD pipelines, improving deployment frequency, and driving cultural and process alignment with site reliability engineering principles.
- Acted as a technical lead within the DevOps function, mentoring junior engineers, leading architecture reviews, and collaborating closely with development, QA, and security teams to deliver highly available, observable, and compliant systems.
- Played a key role in the company's broader cloud migration strategy, including cost optimisation initiatives, disaster recovery planning, and scaling critical workloads on AWS.

**technologies used:** AWS, Kubernetes, Docker, Terraform, Vault, Consul, Node.js, Golang, Bash

**System Administrator - IPEC Ltd**

**Feb 2015 - Feb 2017**

- Administering cloud services while overseeing the longest period of uptime in the company's history.
- Performed the on-site installations for companies including UK Power Networks, Hong Kong Electricity, Companhia de Electricidade de Macau, Saudi Electric Company and British Petroleum.
- Maintained condition monitoring systems in electrical substations around the world.
- Developed critical scripts and software for customer and in house solutions using Perl, Python, C etc..
- PostgreSQL database administration and design for scientific applications. Also helped with general office support for very demanding development teams.

**technologies used:** SSH, Apache, OpenVPN, Postfix, USB (libusb), PostgreSQL, Perl, PHP, C(99)

**Previous Technical Roles**

**2008 - 2014**

- Red Hat Linux support, MySQL database administration, and full-stack LAMP development
- Web development, IT support, DevOps scripting (Perl, Bash, SQL, PHP)
- Worked in NHS high-security environments and international web hosting support teams
- Early contributions to automation, backup systems, and proxy server infrastructure