Justin "J" Lynn

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🇺🇸 United States Citizen

🇦🇺 Australian Permanent Resident (No Visa Sponsorship Required)

Target Roles

* DevOps Engineer | DevSecOps Engineer | SOC Engineer | Infrastructure Engineer (SRE)
- Seeking Linux-based, cloud-native environments (AWS, GCP, Azure, Kubernetes, Terraform/TOFU, DevSecOps)
- Open to remote work anywhere in any time zone and/or hybrid/in-office roles in/around Sydney Regional Area; Consideration given to hybrid and in-office roles requiring relocation

Professional Summary

Senior-level professional with extensive experience in DevOps, DevSecOps, Security Operations (SOC), and Infrastructure Engineering. Skilled in designing, deploying, and securing Linux-based systems in low-latency, high-availability environments. Expertise in AWS, GCP, Azure, Kubernetes, Terraform, Ansible, Puppet, Chef, and security automation (cryptographic scanning, SIEM, EDR). Strong background in incident response, 24/7 on-call rotations, and performance tuning for HPC and distributed systems. Passionate about bridging development and security for efficient, secure releases.

Key Skills & Technologies

• Cloud & Infrastructure: AWS (EC2, VPC, S3, IAM, GuardDuty), GCP (GKE, Compute Engine), Azure, OpenStack, Bare Metal/DC
• DevOps & Automation: Docker, Kubernetes (EKS, GKE, AKS, on-prem), Helm, CI/CD (Jenkins, GitLab CI, GitHub Actions), Terraform, Ansible, Puppet, Chef
• Security & SOC: DevSecOps best practices, SIEM (Splunk, Elastic), EDR (CrowdStrike), SOC automation, cryptographic validations, Red/Blue Team
• Programming & Scripting: Python, Bash, Ruby, Scala, Haskell, Dhall
• Networking & Performance: BGP, Calico, HPC, Linux kernel tuning, perf, eBPF

Recent Professional Experiences

Senior Engineer

Openmesh – Sydney, NSW, Australia (Feb 2024 – Aug 2024)

- Oversaw infrastructure design for crypto-focused platforms, emphasizing cryptographic security & data provenance.
- Drove CI/CD best practices and containerized microservices with automated vulnerability scans.
- Fostered cross-functional collaboration, reducing incidents by 30%.

Senior Systems Engineer

Ark International Group – Sydney, NSW, Australia (Nov 2023 – Feb 2024)

- Managed ultra-low-latency Linux platforms and global PoPs for trading/investment systems.
- Coordinated security reviews and SOC/incident retrospectives for high-stakes operations.
- Led capacity planning and hardware selection, optimizing uptime and cost.
- Conducted kernel-level debugging for low-latency optimizations

Senior Systems Engineer

Tlon – Sydney, NSW, Australia (Mar 2023 – Oct 2023)

- Built GCP & Kubernetes (GKE) infrastructure via Terraform and Haskell-based tooling.
- Provided on-call (PagerDuty) support: incident response, performance diagnostics, big data storage.
- Implemented container security scanning and distributed overlays for (Urbit/Vere) in production.

Senior Systems Engineer

Akuna Capital – Sydney, NSW, Australia (Nov 2022 – Jan 2023)

- Engineered nanosecond-sensitive trading systems across global PoPs including management and maintenance of hardware and datacentre facilities
- Implemented ChatOps for key subsystems
- Hardware suitability and reliability evaluation and differential failure analysis

Senior Systems Engineer

Commonwealth Bank of Australia – Sydney, NSW, Australia (Oct 2015 – Dec 2020 and Nov 2021 – Nov 2022)

- Led the design, deployment, and maintenance of a Ceph-based distributed storage system (1,200+ nodes) with single-millisecond latency SLAs.

- Managed full-stack infrastructure spanning on-prem, OpenStack, and Kubernetes environments, optimizing high-availability data services.
- Architected, designed and implemented (Python) a Kubernetes-based platform (custom Operator and Admission Controller and supporting Attestation Engine API/Runtime) for supply chain assurance with cryptographic scanning, artifact validation, and formal modeling of ruleset gurantees.
- Directed zero-downtime, multi-version upgrades across Ceph, and Hadoop-based ML/analytics platforms, supporting Tier 1 workload (four nines reliability spec'd)
- Developed BGP routing policies (Calico) to secure and unify data plane networking across multiple sites.
- Implemented CI/CD security hardening, reducing misconfigurations and increasing compliance across infrastructure codebases.
- Automated Linux bare-metal deployments using OpenStack Ironic, leveraging Puppet, Python, and Scala for full infrastructure lifecycle management.
- Supported SOC operations & security engineering, integrating SIEM tools (Splunk, Elastic) and monitoring enhancements for incident response.
- Coordinated cross-team collaboration between DevOps, security, and infrastructure teams, ensuring faster releases with security compliance.

Head of Technical Operations
Ripple Labs – San Francisco, CA, USA (Oct 2013 – Jun 2014)

- Led technical operations for a blockchain-based financial platform.
- Designed and deployed secure cloud infrastructure and DevSecOps pipelines.
- Ensured high availability of distributed financial systems and optimized uptime.

Director of Technical Operations
Mavenlink – San Francisco, CA, USA (Nov 2012 – Oct 2013)

- Led cloud migration to AWS and implemented Terraform for automation.
- Developed network security policies and observability solutions.

Senior DevOps Engineer
Zendesk – San Francisco, CA, USA (Aug 2012 – Nov 2012)

- Engineered scalable infrastructure for a SaaS platform.
- Automated deployments using Chef.

Past Professional Experiences

• Engineer – Votizen (Oct 2011 – Aug 2012)

• Systems Engineer – 3Crowd Technologies (XDN) (Jul 2010 – Oct 2011)

• Systems Operations & Engineering – SocialMedia.com (Jun 2009 – Jul 2010)

• Community Team Member – Wikia (2008 – 2009)

Education

• University of Iowa – Computer Science (incomplete), focus on Graphics & Network Computing

• Northwest Missouri State University (MASMC) – Associate of Science in General Education
  - Attended the Missouri Academy of Science, Mathematics, and Computing (highly selective magnet program)