Ryan Lee

Solution Architect | Cloud, Identity & Platform Engineering

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Profile

I bring 20+ years in technology, including 15+ years in architecture and platform engineering. I help government and enterprise teams modernize Azure and AWS platforms, secure identity across systems, and improve how they deliver software. My hands-on background spans frontend and backend development, database administration, and data engineering.

Experience

Lead System Integrator · Government of Ontario
Mar 2025 – Present

- Shaped a multi-year GIS modernization roadmap, balancing platform risk with iterative delivery.
- Designed cross-domain, multi-application SSO for 6+ government systems using identity providers, secure token exchange, and iframe integration.
- Developed proof-of-concept code, automated infrastructure provisioning with IaC, and documented API contracts and architecture decisions.
- Supported delivery continuity through 3+ contract extensions.

Senior Software Developer, Cloud · STERLING (NASDAQ: STER) · Remote
Jun 2022 – Mar 2024

- Mitigated an approximately $200K cloud migration blocker and cleaned up obsolete AWS resources across EC2 Image Builder, Lambda, S3, and EBS.
- Restored a legacy license server on EC2, avoiding downtime and repurchase costs.
- Achieved 100% SecOps audit compliance through patching, software updates, and OS hardening.
- Prototyped identity-based access to Azure VMs without exposing standard ports.

Technical Lead · Bell Canada (Environics Analytics)
Jul 2012 – Jun 2022

- Built DevOps and cloud platform practices from scratch by hiring, training, and leading senior DevOps and infrastructure engineers.
- Led cloud migrations and Kubernetes adoption. Compared cloud and on-premises costs, including networking and disaster recovery.
- Implemented hybrid SSO from on-premises Active Directory through Entra ID to AWS IAM.
- Automated CI/CD approvals and releases to meet uptime SLAs. Improved availability with backup and disaster recovery while reducing the data-centre footprint.

Earlier roles

Software Developer · University of Toronto · Toronto
Oct 2011 – Oct 2012
Developed features for a media broadcasting application and maintained legacy software.

Development Lead · Good Fellas · Seoul
Mar 2009 – Jun 2010
Led development of a native iOS game and set up and maintained its packet exchange server.

Founder · DegreeCenter · Seoul
Jun 2007 – Jun 2010
Built an academic credential verification platform and sold the business to a competitor.

Software Testing Engineer · Microsoft · Seoul
Sep 2007 – Sep 2008
Built Visual C++ test automation for Windows Live, spoke at the 2008 Singapore Summit, and trained new hires in Bangalore.

Education & certifications

BSc Computer Science · University of Toronto Scarborough
AZ-900 · AI-900 · DP-900 · AWS Cloud Practitioner