

Ryan Millard-Cartwright

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Professional Summary

Highly skilled Software Engineer specialising in cloud technologies with a proven ability to deliver scalable solutions for AWS, Azure, and Google Cloud Platform. Experienced in optimisation of cloud infrastructure and working to deliver high-quality software products. I am committed to learning and leveraging the latest advancements in cloud technology to drive business growth and enhance operational efficiency.

Skills

- Programming with TypeScript/JavaScript, Go, and Python.
- AWS services, including API Gateway, SQS, SNS, S3, Fargate, ECR and Lambda.
- Infrastructure as Code technologies, including Pulumi, Terraform and CloudFormation.
- SQL and NoSQL database technologies, including MySQL, Postgres, MongoDB and DynamoDB.
- Virtualization and container orchestration using Docker and Kubernetes.
- Full-stack application development, including REST APIs, GraphQL APIs, gRPC microservices, and frontend frameworks such as React and Next.js.

Work History

Software Engineer, Nitric

March 2021 to Present

- Built complex Open-Source Infrastructure from Code tooling for multi-cloud deployments, including multiple language SDKs, a CLI, and a SaaS application.
- Developed a robust microkernel architecture using GoLang and gRPC.
- Maintained extensive documentation for use by customers, internal teams and the open-source community.
- Implemented CI/CD pipelines with GitHub Actions and Docker to automate the build, test, and deployment processes, resulting in development efficiency and faster time-to-market for software releases.
- Led thorough code reviews to ensure a consistently high-quality product for customers.

Software Engineer, Department of Defence

November 2021 to March 2022

- Designed and built containerised microservices for a secure distributed environment.
- Collaborated with cyber analysts and key stakeholders to gather requirements for creating specialized tools that enhanced cyber security defensive operations.
- Implemented continuous integration and deployment systems using Bamboo.
- Led architectural discussions and decisions for the production of cyber software.

Education

Bachelor of Computing and Cyber Security

Completed November 2022

University of New South Wales

Certifications

- NV1 Security Clearance
- Splunk 7.x Fundamentals I & II