

Summary

A certified AWS/Azure Solutions Architect, DevOps Engineer, and Developer with experience as a full-stack developer across local and international projects. Proficient in the entire software development lifecycle, including architecting, developing, and releasing web, service, desktop, and embedded applications.

Expert in DevOps practices, CI/CD pipelines, containerization (Docker, ECS), cloud computing (AWS, Azure), and database management, including both RDS and No-SQL databases. Experienced in providing AI-driven solutions to customers, optimizing workflows, and enhancing business intelligence.

Strong background in data structures, algorithms, and data analysis, with expertise recognized by previous employers. Experienced in team management, technical leadership, and architecting scalable, high-performance solutions. Adept at bridging development and operations to enhance system reliability and efficiency.

Skills

Architecture & Management	Cloud Solution and Migration Design & Architecture SDLC, Agile, Team Management, Change Management
Cloud & AI	AWS, Azure, GCP: Compute, Container, Storage, Audit & Monitoring, Directory Management, IAM, Billing Comprehension AI Service, Machine Learning, LLM
Backend & Database	.NET, C#, C++, RDS(SQL Server, Oracle), NoSQL(MongoDB, Dynamo), Web Service/API, WCF, WPF, LINQ, EF, Azure Function/AWS Lambda
Frontend	React, TypeScript, MUI, Bower, Bootstrap, Redux, NextJS
Interpersonal Skills	Empathy, patience, and consistency, adaptability

Education

Postgraduate Diploma	July 2016 – July 2017	PGD in Computing
	Department of Computing	Unitec Institute of Technology, NZ
	Web Application Development, Agile & Lean Software Delivery, Network Programming, Data Mining and Industry Applications, Machine Learning and Information Processing	
Master of Science	September 2011 - July 2014	Control Theory & Control Engineering
	School of Information Engineering	Nanchang University, CN
	C++ Programming, Principles of GPS and Application, Computer Controlling System, Design of Embedded System, Sensor Technology & Application, Advanced Mathematics	

Work Experience

◆ NZ Post / Datacom

April 2023 – Now

Responsibilities:

- Design and build serverless and containerized micro services and web applications,
- Plan and migrate legacy application to multiple clouds,
- Develop and maintain CI/CD Pipeline and other DevOps tasks,
- Design system from business requirements, spike, and application product demos,
- Design and implement multiple Authentication and authorization solution: Auth0, Cognito, Entra ID

Projects:

- Sortation Pūnaha Kōmaka application, SDA application cloud migration,
- Auth0/Entra ID/Cognito auth integration application,
- Sort plan management application, Database cloud migration,

Technologies:

Senior Full Stack Developer/DevOps Engineer

Hybrid/ Auckland, New Zealand

- AWS: ECS, Lambda, CloudFormation, IAM, RDS, Cognito, CloudWatch, EC2, Secret Manager
- Azure: Entra ID, Azure Function, DevOps Pipeline
- AI: AWS CodeCatalyst, Business Q, Amazon SageMaker, Amazon Comprehend, Amazon Lex
- Software development: .Net, React, SQL Server/DynamoDB, Mule, Auth0, Entra ID

- ◆ ASB / Datacom **Senior Software Developer**
January 2022 – March 2023 Hybrid/ Auckland, New Zealand
Responsibilities: Developing workflow automation apps; Integrating multi source and target systems; .Net Core application
Projects: Payment sanction application, Customer sanction application, Sanction testing system automation, Sanction daily filter data ingestion automation, Filter report automation
Technologies: .Net, C#, SQL Server database, Azure Pipeline, PowerShell, Python, Bash
- ◆ Auckland University / Datacom **Senior Software Developer**
November 2021 – December 2021 Hybrid/ Auckland, New Zealand
Responsibilities: Development and planning work Data Migration Project
Technologies: Node.js, .Net, Oracle Database
- ◆ THL Digital / Togo Group **Software Developer**
December 2019 – November 2021 Hybrid/ Auckland, New Zealand
Responsibilities: Developing Web API service, Mongo Realm, report service and IoT Management apps
Projects: Campervan inventory management system/ Campervan telematics system
Technologies: C#, .Net Core, JavaScript, MongoDB, Mongo Realm, elastic search, git, Jira, web service, Xamarin.
- ◆ Trackit Limited **Software Developer**
April 2017 – May 2019 Auckland, New Zealand
Responsibilities: Software Development, Project Management, BAU
Projects: Subscription Package & Feature Management/ Checklist & Driver Behavior Management Reporting Service, Car Pooling System, Asset Maintenance & Management Logistic Consignment Solution: Customized Job/ Docket Processor & Viewer
Technologies: C#, .Net, WPF, SQL Server, JIRA, Web Service/ API, WCF, Report Service, IoT.
- ◆ Ed.Collective **Database Developer, Contract**
January 2017 – March 2017 Auckland, New Zealand
Responsibilities: Database design and development for Data Population Project
Technologies: SQL Server, T-SQL, Stored Procedure, Dynamic SQL, SSMS
- ◆ ZTE Global Telecommunication Corporation **Software Developer**
July 2014 – June 2015 Beijing, China
Responsibilities: BA for Automatic Switch Optical network software system; software dev and UT
Projects: Wavelength Division Multiplexing Automatic Switch Optical Network for Intelligent OTN
Technologies: Embedded System, C/C++ language, Java, Scrum Development, Unit Test, Integration Test
- ◆ Nanchang University **Developer/Project Manager**
June 2012 – May 2014 Nanchang, Jiangxi, China
Responsibilities: System design, development, and testing; network environment build and configuration, BA and coordination; technical feasibility check; training courses delivery for new staffs or system users.
Technologies: SQL Server DB, Delphi, Site Management, CRM, ERP

Interests

In my spare time, I volunteer in events and catch up friends with great walk, scuba diving, marathon, road trips.

Reference

Available on request.

More detailed information can be found on LinkedIn: <https://nz.linkedin.com/in/liamli2014>