JASON LIAN

Senior Software Engineer

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PROFESSIONAL SUMMARY

Experienced software engineer with over 15 years of experience in software development, specializing in backend development with Golang and frontend development with React. Expert in building scalable microservices, RESTful APIs, GraphQL, gRPC, and integration solutions across financial services and education sectors. Proven track record of delivering high-performance applications that serve millions of users.

TECHNICAL SKILLS

- **Programming Languages**: Golang, JavaScript, TypeScript, Python, Java, C#, PHP

- **Frontend**: React, Redux, Next.js, HTML5, CSS3, Material UI

- **Backend**: Golang microservices, Node.js, Express, Spring Boot

- **Cloud & DevOps**: AWS (Lambda, S3, EC2, RDS), GCP, Docker, Kubernetes, Terraform, CI/CD

- **Databases**: PostgreSQL, MySQL, MongoDB, DynamoDB, Oracle, MS SQL

- **API Development**: RESTful APIs, GraphQL, gRPC, API Gateway, OpenAPI/Swagger

- **Other**: Microservices architecture, Event-driven design, System integration

PROFESSIONAL EXPERIENCE

Senior Software Engineer | Infosys / ANZ

Aug 2021 - Present

- Senior Software Engineer for ANZ Bank's digital banking platform, architecting and implementing Golang microservices that facilitated onboarding of multi-million users

- Designed and developed scalable API services using Golang that significantly reduced transaction processing times

- Implemented React admin portal with management systems improving frontend performance and user experience
- Orchestrated Kubernetes and CodeFresh over the OpenShift platform, streamlining the deployment process
- Spearheaded OpenAPI/Swagger specification-based microservice design for RESTful APIs, while also implementing gRPC for high-performance inter-service communication
- Integrated cloud infrastructure with GCP, ensuring robust and scalable cloud solutions

Web Developer | Catalyst IT

Mar 2021 - Jul 2021

- Developed comprehensive educational management systems using React frontend and Golang backend
- Created reusable React component libraries for student management applications
- Built robust API adapters connecting various learning management systems and student databases
- Implemented OAuth2 authentication and authorization flows for secure access to educational resources
- Managed and upgraded the GoCD automated deployment pipeline, improving deployment efficiency
- Oversaw AWS management with Terraform/Kubernetes, optimizing cloud infrastructure

Engineer | Fontis

Oct 2018 - Mar 2021

- Migrated 16+ major Java backend services to microservices for Bing Lee using Golang, employing a strategic mix of RESTful APIs, GraphQL, and gRPC to optimize performance and scalability
- Developed web applications and APIs for key clients using Golang, AWS Lambda, GraphQL, gRPC, Vue.js, and various databases
- Designed and implemented GraphQL APIs to optimize data fetching for complex frontend requirements, while using gRPC for efficient inter-service communication
- Integrated third-party APIs including Zendesk, Twilio, and NetSuite ERP, streamlining client operations

Web Programmer | AWD Digital

Oct 2016 - Oct 2018

- Implemented Glencore Agriculture's primary trading calculation API in Golang with PostgreSQL DB, enhancing performance and scalability

- Developed and supported large-scale global enterprise projects for major clients including Viterra and RACV

- Built and maintained multiple APIs for integration between legacy systems and modern web applications

- Created responsive web interfaces using modern JavaScript frameworks and RESTful backends

EDUCATION

Master of Computer Science

Monash University

- Specialization: Software Engineering

Master of Information Technology

Deakin University

- Specialization: Data Science

Bachelor of Information Technology

Deakin University

- Specialization: Computer Science and Software Development
- Achieved the highest mark overall for the Final Project

References available upon request