GUANHUA DING

Backend Software Engineer

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Backend-focused software engineer with 7 years of experience. Strongest at building APIs, third-party integrations and async workflows, and used to taking features from design to production. Most recently at Leonardo.Ai, then Canva after the acquisition; before that, LMS and HR integrations at Go1.

EXPERIENCE

Canva | Software Engineer (Backend)

Jan 2024 – Nov 2026

Canva, Admin Experience (Teams & Education) — May 2026 – Nov 2026

- Improved the admin experience by refactoring the account consolidation flow for removed users.
- Cut mass-migration error rates about tenfold (to within SLO) and run time from over an hour to ~15 minutes by adding jitter and queue-level retries.

Leonardo.Ai, API team — Jan 2024 – May 2026

Generative-AI image and video platform with 19M+ registered users when Canva acquired it in July 2024

- Developed features for the event-driven image-generation services connecting web and iOS clients to AI inference workers (TypeScript, NestJS, Next.js, Hasura, PostgreSQL, AWS Lambda, SQS/SNS).
- Built 10+ public REST API endpoints end to end on top of the internal GraphQL API and wrote the public API docs, working with the PM and Customer Success.
- Added Canva as a single sign-on option on the Leonardo.Ai login page (OIDC, AWS Cognito).
- Contributed to the token services that price, charge and refund generations.

Go1 | Software Developer

Oct 2021 – Jan 2024

B2B learning and compliance platform, about 5M learners in 2022

- Built backend services (TypeScript, NestJS, Docker) that integrate the Go1 learning platform with third-party HR and learning systems, including SAP SuccessFactors and Absorb.
- Co-built an event-driven pipeline on Azure (webhooks, message queues) that syncs learner progress from those systems into Go1.
- Contributed to the React portals, CI/CD pipelines, API integration and unit tests, and documentation.

Digistorm | Software Engineer

May 2019 – Oct 2021

CRM web applications for K-12 schools

- Full-stack development of the school enrolment and CRM web apps (Vue.js, TypeScript, PHP/Laravel).
- Built API integrations that sync student and parent records with school management systems, and tuned slow PostgreSQL and Elasticsearch queries.

SKILLS

Languages	TypeScript, JavaScript, Python, SQL, PHP
Backend	Node.js, NestJS, Django, Laravel, GraphQL (Hasura), REST APIs, webhooks, OIDC
Data	PostgreSQL, Elasticsearch
Cloud & DevOps	AWS (Lambda, Cognito, S3, SQS/SNS), Azure, Docker, CI/CD
Frontend	React, Next.js, Vue.js, Tailwind CSS
AI tools	Claude Code, Cursor, GitHub Copilot, MCP

EDUCATION

General Assembly, Sydney | Web Development Immersive — Dec 2018 – Mar 2019

Queensland University of Technology (QUT) | Diploma of Business — 2013 – 2014