

Liam (Chengxuan) Han

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SUMMARY

Sydney-based Full-Stack Engineer with 3+ years of experience building AI-powered products and production software using React, TypeScript, Python, and Node.js. Experienced in delivering customer-facing platforms, LLM-enabled applications, conversational AI systems, backend services, and workflow-based products. Strong across the full software development lifecycle, including requirements analysis, frontend and backend development, APIs, databases, testing, CI/CD, release planning, and cloud-based delivery.

TECHNICAL SKILLS

Frontend:	React, TypeScript, JavaScript, Next.js, GraphQL, Axios
Backend:	Python, Flask, FastAPI, Node.js, NestJS, REST APIs, JWT
AI & Automation:	AI Agents, Tool Calling, RAG, Prompt Engineering, Workflow Automation
Database:	PostgreSQL, SQL Server, Azure Cosmos DB, Redis
Cloud & DevOps:	Azure Functions, Azure DevOps Pipelines, AWS, Docker, Git, GitHub Actions

WORK EXPERIENCE

Software Engineer - Kimia (Sydney, Australia)

Jun 2026 - Present

- Built and shipped the Ask Kimia agent to production using TypeScript, Node.js, and NestJS, connecting LLMs to application APIs. Implemented multi-step tool execution, streamed responses, failure handling, and run-level tracing for troubleshooting.
- Built a review-and-apply workflow using React and TypeScript, allowing users to inspect agent-proposed changes before applying them to workspace data.
- Built Access Data Scopes using NestJS and PostgreSQL and integrated access controls into the IQ assistant, restricting product and document retrieval to data available to the user and assistant.
- Designed database-backed module entitlements and built an event-driven notification system using Node.js, NestJS, PostgreSQL, and Redis, with scheduled digests, delivery limits, and engagement telemetry.

Key Achievements:

- Added an Ask Kimia workflow to review and apply knowledge base updates, reducing SME-dependent manual updates from lengthy waits to seconds.
- Delivered Access Data Scopes from design to production within a month, enabling customers to manage multiple departments in a single workspace with controlled access to shared products and documents, without duplicating workspaces or data.

Software Engineer - Axify.AI (Sydney, Australia)

Nov 2024 - Jun 2026

- Built Python conversational AI agents for calls and messages, combining LLM-based intent detection with multi-turn workflows for bookings, changes, cancellations, FAQs, and human handoff.
- Built the customer-facing portal for AI agents, enabling users to configure their agents and view analytics, using React, TypeScript, Axios, Python, Flask, FastAPI, SQL Server, and Azure Cosmos DB.
- Built an agent configuration pipeline that translates customer settings into runtime configuration through APIs and Azure Cosmos DB, supporting agent workflows, FAQs, voice, and booking rules.
- Built an automated call analytics pipeline using Azure services and AI classification, turning agent conversations into searchable call records and customer-facing insights.

Key Achievements:

- Replaced manual CSV configuration updates with self-service settings, reducing customer turnaround time for agent configuration changes from days to seconds.
- Built conversational AI systems that handled 31K+ calls, 3K+ bookings, and 3K+ SMS events in a monthly production reporting period.

Software Engineer - AI Consulting Group (Sydney, Australia)

Mar 2024 - Nov 2024

- Developed a delivery platform for a client project, including admin interfaces and reporting dashboards, using React, TypeScript, Axios, Next.js, Node.js, and GraphQL.
- Built GPT-powered automation tools to generate articles for client websites and optimize SEO, and contributed to website UI improvements.

Key Achievements:

- Automated article generation for client websites using GPT-powered workflows, reducing manual content creation.
- Supported improvements to client websites through SEO automation and UI updates.

Software Engineer - Thick AI (Remote, China)

Sep 2023 - Mar 2024

- Built a clinical decision-support web application using Python, Flask, and JavaScript, enabling users to upload clinical data, select machine learning models, and view prediction results.
- Contributed to backend development for data handling, RESTful API support, model training, and prediction-related workflows, supporting AI and ML-oriented application use cases.
- Worked with structured datasets, file-based inputs, client-server communication components, and Docker-based containerization to support application logic and model-related processing.

CERTIFICATIONS

- Microsoft Certified: Azure Fundamentals
- Microsoft Certified: Azure Administrator Associate
- Microsoft Certified: Power BI Data Analyst Associate

EDUCATION

- Master of Information Technology (Artificial Intelligence), University of New South Wales
- Bachelor of Computer Science, Yancheng Institute of Technology