

SUMMARY

Full-stack software engineer and Master's student in Computer and Information Sciences at AUT, graduating October 2025.

Over 10 years of experience in Java backend, Android development, AI integration, and IoT systems, delivering enterprise solutions in industrial automation, mobile platforms, and edge AI. Proficient in Spring Boot, Docker, PyTorch, and microservice architecture, with hands-on expertise in AI-driven applications, full-stack systems, and cloud/edge deployment.

KEY SKILLS

- **Programming:** Java, Kotlin, Python, JavaScript, Node.js, SQL, Bash
 - **AI / ML:** PyTorch, TensorFlow, OpenCV, YOLO, diffusion models, LLM fine-tuning
 - **AI Coding Tools:** Cursor, Trae, GitHub Copilot, Qwen, OpenAI API
 - **Full-Stack:** Spring Boot, Spring Cloud, MyBatis, Hibernate, Vue.js, HTML/CSS
 - **DevOps & Cloud:** Docker, Jenkins, Nginx, Git, CentOS, Ubuntu, Raspberry Pi, basic Azure
 - **Databases:** MySQL, Redis, MongoDB, SQLite, SQL Server
 - **IoT Integration:** UART, GPIO, barcode scanners, RFID, sensors, protocol adapters

EXPERIENCE

ChatClothes Virtual Try-On (AI Thesis Project)	<i>AUT, NZ</i>	2024 – 2025
Sole developer of a multimodal AI try-on system with LLM control and edge deployment.		
<ul style="list-style-type: none"> Built modular pipeline: diffusion model (image generation) + YOLO (clothing detection) + LLM (prompt parsing) Integrated ComfyUI + Dify for orchestration, supporting browser and offline operation Optimized inference on Raspberry Pi 5, achieving low-latency edge performance Completed thesis 6 months early with demo and deployment guide 		
Smart Factory Backend System	<i>Chunxiao Technology Co., Ltd., China</i>	2018 – 2024
Tech lead for a microservice-based textile factory system deployed across 5+ sites.		
<ul style="list-style-type: none"> Designed and implemented backend services with Spring Boot and MySQL/Redis Managed CI/CD and deployment via Docker, Jenkins, and Nginx on Linux servers Integrated RFID, barcode scanners, and conveyor systems for real-time process tracking 		
Enterprise Messaging System	<i>Chunxiao Technology Co., Ltd., China</i>	2014 – 2023
Core Android & backend developer for real-time IM platform with 10,000+ daily users.		
<ul style="list-style-type: none"> Developed Android client using NDK-based TCP/UDP and backend using Spring Cloud + C++ Improved connection stability and reduced message latency to 1200ms 		
Other Projects & IoT Solutions	<i>Chunxiao Technology Co., Ltd., China</i>	2013 – 2023
Full-stack engineer for industrial, IoT, and public service applications.		
<ul style="list-style-type: none"> Developed forestry patrol app with GPS/photo logging and backend dashboard Built smart cabinet SDKs controlling locks, sensors, and lights via Android + REST APIs 		

- **Implemented** ad scheduling and monitoring for factory and retail displays
- **Automated** deployment and monitoring to maintain 99.9% uptime

EDUCATION

Master of Computer and Information Sciences *AUT, New Zealand* Jul 2024 – Oct 2025
Research focus: AI, lightweight model deployment, virtual try-on. Thesis submitted early.

Bachelor of Software Engineering *Hebei University of Science and Technology, China* Jul 2009 – Jun 2013
Received National Scholarship. Trained in Java, databases, and backend system design.

LICENSES & CERTIFICATIONS

• Software Design Engineer Certificate	<i>China Qualification Authority</i>	2019
• Network Communication Security Administrator	<i>China Qualification Authority</i>	2017
• Science and Technology Achievement Award (Smart Manufacturing)	<i>Hebei, China</i>	2020
• IoT Fundamentals (MOOC)	<i>Xi'an Jiaotong University</i>	2020