

## 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

<b>ChatClothes Virtual Try-On (AI Thesis Project)</b>	<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"><li>• <b>Built</b> modular pipeline: diffusion model (image generation) + YOLO (clothing detection) + LLM (prompt parsing)</li><li>• <b>Integrated</b> ComfyUI + Dify for orchestration, supporting browser and offline operation</li><li>• <b>Optimized</b> inference on Raspberry Pi 5, achieving low-latency edge performance</li><li>• Completed thesis 6 months early with demo and deployment guide</li></ul>		
 <b>Smart Factory Backend System</b> <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"><li>• <b>Designed and implemented</b> backend services with Spring Boot and MySQL/Redis</li><li>• <b>Managed</b> CI/CD and deployment via Docker, Jenkins, and Nginx on Linux servers</li><li>• <b>Integrated</b> RFID, barcode scanners, and conveyor systems for real-time process tracking</li></ul>		
 <b>Enterprise Messaging System</b> <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"><li>• <b>Developed</b> Android client using NDK-based TCP/UDP and backend using Spring Cloud + C++</li><li>• <b>Improved</b> connection stability and reduced message latency to <b>1200ms</b></li></ul>		
 <b>Other Projects &amp; IoT Solutions</b> <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"><li>• <b>Developed</b> forestry patrol app with GPS/photo logging and backend dashboard</li><li>• <b>Built</b> smart cabinet SDKs controlling locks, sensors, and lights via Android + REST APIs</li></ul>		

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

## EDUCATION

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**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

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• 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