

Junyi Zhu

AI-Augmented Full Stack Cloud Architect | Groningen, Netherlands

 Email

 GitHub [CislinkNL](#)

 Location [Groningen](#)

About Me

I'm a cloud architect and entrepreneur building end-to-end software solutions. Based in Groningen, I combine deep technical expertise in Python, Google Cloud Platform, and mobile development with a business-focused consultancy mindset.

What sets me apart: I use AI tools (Gemini, Claude) strategically to achieve 3-5x productivity while maintaining full architectural control and enterprise-grade code quality.

Signature Projects

Cislink - Cloud Invoice System

Multi-tenant SaaS for restaurants featuring automated invoice generation, QR ordering, and POS integration.

Tech Stack: Python 3.11, GCP Cloud Functions (Gen 2), Pub/Sub, Firestore, Kotlin

- Processes €50K+ in monthly invoice volume
- Reduces invoice generation from 2 hours to 10 seconds
- Serving 10+ restaurant locations across Netherlands

AI Voice Operator

Real-time conversational AI agent using Google Gemini Live API for customer service automation.

Tech Stack: Python async/await, Gemini Live API, WebRTC, RESTful APIs

- Low-latency (<500ms) conversational AI pipeline
- Proof-of-concept for restaurant phone automation
- Natural conversation flow with robust fallback mechanisms

Android POS Ecosystem

Complete point-of-sale system with offline-first architecture and hardware integration.

Tech Stack: Kotlin, Android SDK, Firebase Realtime Database, ESC/POS printers

- Offline-capable terminals with print integration
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- QR code table-side ordering system
- 1000+ orders processed monthly with 99.9% uptime

Technical Skills

Category	Technologies
Cloud	GCP (Cloud Functions, Pub/Sub, Firestore), Firebase
Languages	Python 3.11+, Kotlin, JavaScript/TypeScript
Mobile	Android (Jetpack Compose, Coroutines, Flow)
AI Tools	Gemini 3, Claude Code, GitHub Copilot
Databases	Firestore, Firebase Realtime Database, SQL
Hardware	ESC/POS printers, USB device integration

AI-Augmented Development

I work with AI as a force multiplier: I'm the architect, AI is my junior developer.

- **I handle:** Architecture, security patterns, business logic, code review
- **AI handles:** Boilerplate, tests, documentation, initial implementations
- **Result:** 3-5x productivity without sacrificing quality

This workflow enables me to build and maintain complex multi-tenant SaaS systems solo.

Live Projects

Project	Description	Link
Cislink	Website	cislink.nl
Demo Restaurant mobiel bestelsysteem	Reservation system + POS	Demo entry

Contact

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Built with Python, Cloud, and AI