

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

- QR code table-side ordering system
 - 1000+ orders processed monthly with 99.9% uptime
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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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 - **GitHub:** github.com/CislinkNL
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Built with Python, Cloud, and AI