





Hi there, I'm Junyi Zhu 🙋


AI-Augmented Cloud Architect | Python Specialist | SaaS Founder


 PYTHON 3.11+


 VUE.JS 3.11+


 NUXT 3.11+


 TYPESCRIPT

 GOOGLE CLOUD

 FIREBASE

 KOTLIN

 GEMINI

 CLAUDE

📍 Groningen, The Netherlands | 🤝 Open to Hybrid/On-site | ✉ admin@cislink.nl

🌀 The Hybrid Architect

I bridge the gap between Enterprise Stability and AI Innovation.


Leveraging advanced AI workflows (Gemini/Claude) to deliver production-grade systems with **3x efficiency**.





📖 [My Philosophy: AI-Native Development](#) →

I build scalable cloud-native solutions that combine:

- **Enterprise-grade reliability** — Event-driven architectures, zero-downtime deployments
- **AI-first development** — LLM-powered agents, real-time voice AI, intelligent automation
- **Full-stack delivery** — From bare metal (IoT/Android) to serverless backends

🏆 Featured Projects

Project	Stack	Impact
 Cislink Cloud Invoice Engine	<div><div>Python 3.11</div><div>GCP Functions 2nd Gen</div><div>Pub-Sub yellow</div></div>	Event-driven architecture automating billing for 1000+ clients. Zero-maintenance serverless design. Processes €50K+ monthly invoices; reduced processing time from 2 hours → 10 seconds.

Project	Stack	Impact
 Real-time AI Voice Operator	<div>Python 3.12</div> <div>Gemini Live API</div> <div>Twilio</div>	Autonomous voice agent handling restaurant reservations via phone. Replaces traditional IVR with GenAI. Deployed on Google Cloud Run; sends WhatsApp confirmations. Demo: +3197010256688
 Multi-Tenant Food Delivery Platform	<div>Vue 3.11+</div> <div>Nuxt 3.11+</div> <div>TypeScript</div>	Startup venture, full-stack solo development. Multi-tenant Nuxt 3 app for 500+ restaurants. Dynamic theming, Stripe payments (iDEAL/Bancontact), Firebase Realtime DB, location-based routing. Currently in prototype device testing phase.
 De Langemuur Restaurant Platform	<div>Next.js 15</div> <div>Firebase</div> <div>Python Functions</div>	End-to-end restaurant system: Booking website (Next.js) → Firebase → Cloud Functions → C-language POS integration. QR ordering + Staff panel + WhatsApp notifications.
 Multi-Tenant POS Ecosystem	<div>Kotlin Android</div> <div>Firebase</div> <div>IoT ESC/POS</div>	End-to-end restaurant platform: Android POS + Cloud backend + Kitchen printers. Dual-engine (Go+Python) print server for 100% uptime.

Technical Arsenal

Cloud & Backend

- **Languages:** Python (3.11+), Go (Golang), Kotlin, TypeScript
- **Cloud Platforms:** Google Cloud Platform (Cloud Run, Cloud Functions, Pub/Sub, Firestore)
- **Architecture:** Event-driven, Serverless, Microservices
- **Databases:** Firestore (NoSQL), PostgreSQL, Firebase Realtime Database

AI & LLMs

- **Models:** Gemini 2.5 Flash Native Audio (preview-12-2025), Claude 4.5, GPT-5.2
- **Applications:** Real-time voice AI, Function Calling, Agentic systems, Multi-step workflows
- **Integration:** WebRTC, WebSocket, Twilio Media Streams

DevOps & Infrastructure

- **Containerization:** Docker, Cloud Run
- **CI/CD:** GitHub Actions, Cloud Build
- **Monitoring:** Cloud Logging, Cloud Monitoring
- **Hardware:** ESC/POS thermal printers, Android devices

Live Demo: AI-Augmented Automation

Experience my Python & Cloud automation in action:

What happens behind the scenes:

1. Frontend (GitHub Pages) captures your request
2. GCP Cloud Function (Python 3.11) generates a professional PDF on-the-fly
3. Gmail API (OAuth2) delivers it securely

Tech Stack: Python 3.11 · GCP Cloud Functions (Gen 2) · fpdf2 · GitHub Pages

Architectural Preview

Event-driven architecture I designed for scalability and fault tolerance:

```
graph TD
    subgraph Clients
        Web[Web Dashboard]
        POS[Android POS]
    end

    subgraph "GCP Serverless"
        API[API Gateway / Cloud Functions]
        Auth[Firebase Auth]

        subgraph "Async Processing"
            PubSub{Pub/Sub}
            Worker[Invoice Generator]
        end

        DB[(Firestore)]
        Storage[(Cloud Storage)]
    end

    Web -->|HTTPS| API
    POS -->|HTTPS| API
    API -->|Trigger| PubSub
    PubSub -->|Push| Worker
    Worker -->|Read/Write| DB
    Worker -->|Store| Storage

    style Worker fill:#4285F4,stroke:#fff,color:#fff
    style PubSub fill:#FBBC05,stroke:#fff,color:#333
    style DB fill:#EA4335,stroke:#fff,color:#fff
```

Why I'm the Right Match

-  **Local to Groningen** — Immediately available, no relocation needed

- 🗣️ **Native Dutch** — Fluent in the language of the workplace and clients
 - ☁️ **Cloud-Native Expertise** — Deep experience with Python 3.11+, GCP, event-driven architectures
 - 🤖 **AI-Driven Workflow** — 3-5x productivity boost through strategic AI (Gemini/Claude) integration
 - 🚀 **Entrepreneurial DNA** — Solo-founder of multi-tenant SaaS platforms (Cislink)
 - 🔑 **Full-Stack Delivery** — From cloud infra & Python backends to Android (Kotlin)
-

📬 Get In Touch

- ✉️ **Email:** admin@cislink.nl
 - 📞 **Phone:** [+31 6 8888 8188](tel:+31688888188)
 - 🔗 **GitHub:** github.com/CislinkNL
 - 🌐 **Website:** cislink.nl
-

Built with ⚡ by an AI-augmented developer in Groningen, Netherlands