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I Build Bounded AI Systems That Ship.

Observable · Vendor-neutral · Governed before execution · Designed for deployment

HOW I THINK

Systems First

Every problem is a system. I map inputs, outputs, feedback loops, constraints, and failure modes before code. Then I build the smallest architecture that satisfies them.

Governance Before Autonomy

Agents do not execute freely. They operate within identity boundaries, context budgets, rate limits, and policy gates — enforced before tool use.

Typed Work > Vanity Metrics

Not all tasks are equal. My orchestration differentiates WORK (sprint stories, builds, directives) from CONTROL (ACKs, handoffs, signals). Measurement clarity prevents metric inflation.

Compounding Infrastructure

I don't build isolated tools. I build composable layers — orchestration, safety, evaluation, dispatch — where each piece reinforces the system.

THE APPROACH

- Diagnose first.
- Constrain risk.
- Ship a bounded POC.
- Instrument reality.
- Iterate toward production.

THE CONVERGENCE

8+ years AI & data engineering
3,500+ typed autonomous tasks orchestrated
60M+ daily records processed (99.9% uptime)
\$10M+ ad spend optimized via privacy-preserving ML

“*Christian brings both technical excellence and great team spirit... a natural leader who motivates his team to accomplish their goals.*

— Brianna Mersey, VP Data

CURRENT SYSTEMS

Rezzed.ai

AI-native orchestration studio

Multi-agent Claude Code architecture (Planner → Worker). CacheBash MCP relay. Guardian pre-tool-use safety gate. Vendor-neutral model routing. 25+ MCP tool definitions with schema validation. Open-source: dispatch, dreamwatch, dual-auth, guardian, poll-hooks, rate-gate, reach, specfirst, voicekeeper, xfetch.

Multi-Agent MCP Safety Orchestration

CacheBash

Async coordination for AI agents

Transactional task claiming. TTL-based relay messaging. Identity-scoped execution. Audit logging at tool boundary. Retry classification, provenance hashing, dynamic token budgeting.

MCP Server Cloud Run Firestore

OptiMeasure

Cookieless attribution — MMM-lite

Python + Vertex AI modeling. Privacy-first measurement. Reduced modeling latency from 6 months to 6 weeks.

Vertex AI Privacy Python

christianbourlier.com

Portfolio built as proof of execution

Next.js 16, Three.js GLSL, 8-palette engine, Zustand, PWA. Production Gemini integration with rate limiting, validation, audit logging.

Next.js Three.js Gemini

OPEN TO

- Applied AI / Forward Deployed roles
- Multi-agent architecture design
- AI governance & runtime safety systems
- Production LLM deployment
- Executive-technical bridge roles

*Not just what AI can do –
what it can safely and measurably deliver.*

CERTS

- GCP Professional Data Engineer
- GCP Professional Cloud Architect

DIAGNOSE → CONSTRAIN → ORCHESTRATE → SHIP

IMPLEMENTATION

Python SQL GCP BigQuery AWS Snowflake React Next.js Vertex AI
LLMs MCP Agentic Systems ETL/ELT Safety Gating Prompting Clean Rooms
Dashboarding Attribution Privacy GLSL Firestore Audit Logging

GCP Professional Data Engineer · GCP Professional Cloud Architect