

Christian Bourlier

STATUS: ACTIVE // ROLE: AI_SYSTEMS_ARCHITECT // CLASS: APPLIED_AI_&_AUTOMATION
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[BENCHMARKS]

8+
YRS ENG

99.9%
FIDELITY

650+
TYPED TASKS

60M+
RECORDS/DAY

\$10M+
AD SPEND OPT

"Christian brings both technical excellence and great team spirit... He picks up complex topics fast and always delivers on goals."

— Brianna Mersey, VP Data

HOW I THINK

Systems First

Every problem is a system. Map inputs, outputs, feedback loops, constraints, and failure modes before code. Build the smallest architecture that satisfies them.

Typed Work > Vanity Metrics

Orchestration differentiates WORK from CONTROL signals. Measurement clarity prevents metric inflation.

Constrained Autonomy

[GOVERNANCE]

Agents operate within identity boundaries, context budgets, rate limits, and pre-execution policy gates. Safety, evaluation, and dispatch layers enforce bounded execution.

THE APPROACH

- ① **DIAGNOSE** Map the system
- ② **BOUND** Define constraints
- ③ **ORCHESTRATE** Wire the agents
- ④ **INSTRUMENT** Measure everything
- ⑤ **DEPLOY** Ship to production
- ⑥ **ITERATE** Eval-driven loops

INTERESTED IN

Applied AI systems where autonomy is governed by explicit boundaries and measurable outcomes — orchestration, deployment under real-world constraints, and evaluation-driven iteration.

CERTIFICATIONS

- GCP Professional Data Engineer
- GCP Professional Cloud Architect

PRODUCTION SYSTEMS

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bounded-multi-agent-orchestration
Claude Code. Role-specialized agents in Planner □ Worker topology. Typed task lifecycles (WORK vs CONTROL), identity-scoped boundaries, context monitoring, static token ceilings, pre-tool-use policy gating. Vendor-neutral backends.

CacheBash

mcp-relay + persistent-task-state
Cloud Run, transactional claiming. TTL-based relay, dead-letter containment, identity isolation, audit logging at tool boundary. Separates productive work from control traffic.

OptiMeasure

privacy-first-ai-measurement
Vertex AI cookieless attribution. Modeling latency: 6 months □ 6 weeks. Clean-room compatible.

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constraint-aware-deployment
Production testbed. Gemini + rate limiting, validation, audit logging, structured output handling.

- // instrumentation.underway
- Completion semantics (SUCCESS / FAILED / SKIPPED)
 - Retry classification + error taxonomy
 - Token, cost, latency rollups per task class
 - Prompt/output provenance hashing

```
# system_manifest.yaml
candidate: Christian Bourlier
role: "AI Systems Architect"
core_logic: "Bounded Autonomy"
primary_stack:
  - Claude Code
  - Vertex AI
  - Cloud Run + MCP
safety: "Constrained Execution"
status: "production_ready"
```