

Roone Ruanaidh

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Summary

I build AI systems that regulated enterprises can verify and maintain long-term.

Stack: Python, Claude Code, Codex, MCP, Bedrock, Vertex AI, Cedar, APISIX, Docker, Linux, Entra

Experience

AI Architect | State of Montana | March 2022 - Present

Other Titles Held: Innovation Architect, IT Service Architect, Customer Success Manager

- Own the enterprise AI sandbox on AWS & GCP, enabling safe use of State data with AI models.
- Lead an AI Community of Practice across 13 agencies under a Governor's Executive Order.
- Trained over 300 State employees on approved AI tools across macOS and Windows endpoints.
- Built a coalition that secured \$1.4M in budget commitments to implement a unified ITSM model.
- Unified 14 cabinet strategic plans and 18 IT portfolios into a data model for legislative reporting.
- Led architects from 10+ domains in sequencing the enterprise zero trust implementation plan.
- Awarded by the Governor for Individual Excellence in Performance; promoted 3 times in 4 years.

Director of Operations | A2Z Staffing Solutions | April 2020 - March 2022

Other Titles Held: Platform Architect

- Increased new hire volume by 18% and permanent-hire rate by 31% post-digital transformation.
- Recovered \$150K in overdue payments and reconciled over \$350K in accounts receivable.

Projects

COBOL Reverse Engineering (for RFP and AI-rewrite evaluation):

- Mapped a legacy system containing critical workflows and data with no source-code access.
- Inventoried 692 data tables and 44,823 data columns across 31 interfaces in under 10 hours.
- Delivered full architectural report and interactive HTML reports to CIO and IT system owner.
- Cost was ~\$2.7K all-in, with only ~\$95 of that being AI compute costs.

Financial Audit Reporting Agent:

- Distilled a manual workflow across 2 SaaS platforms and an internal solution into an AI agent.
- Created a skill that equipped the agent with a CSV rule set and deterministic Python test.
- Validated the agent's accuracy across 3 multimodal intake formats and 75 historical reports.
- Cost was ~\$2K all-in and saved ~156 hours annually, completed in under 6 hours using AI.

Public Comment Intelligence for Agency Commissioners:

- Built a Python ETL pipeline that structured 599 image-rendered PDFs into normalized JSON.
- Enriched JSON entries across 13 amendments with 7 customer-provided sentiment categories.
- Delivered an interactive HTML heat-map that filtered comments across 113 unique locations.
- Built an AI agent that queried the enriched JSON file directly to accompany the heat-map.
- Cost was ~\$1.2K all-in and saved at least 20 hours per amendment cycle.

Open-Source

Envelope: Researching how predictable the cost of agentic work becomes when a model can invoke programmatic capabilities that advance a task outside its context window.

Education

University of Wisconsin-Madison

Bachelor of Arts - Religious Studies | Ritual and Meaning Structures

Bachelor of Arts - English, Creative Writing | Poetic Forms and Syntax