



Jonathan Llovet

📄 Researcher, 🧑 Software Architect, 🌐 Polyglot

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Experience

Inspire Brands

Solutions Architect, Manager - IAM 2021 - Present
Transformed a fragmented IAM function into an enterprise-grade program through multi-year strategy, platform architecture, and operational rigor, improving audit posture, lowering operating cost, and elevating user experience.

- Leading a team of 7-9 engineers delivering IAM for 20k+ employees, 200k+ franchisees, 500+ integrations across multiple tenants and products; supported consolidation of 5+ companies at one of the largest restaurant companies in the world.
- Defined and presented multi-year IAM strategy and roadmaps to senior leaders; aligned long-term investments in people, tooling, and automation with business outcomes. Established operating mechanisms including program charters, SOPs, onboarding, communication guidelines, error budgets, and long-term technical strategies.
- Architected and led deployment of standardized authentication patterns (SSO, MFA, passwordless, device-posture evaluation) used across multiple products.
- Instituted secure, consistent processes and automation that improved audit compliance and reduced operational toil and cost.
- Drove R&D and development of internal tooling (Python, Go): CLIs for SaaS administration, automated documentation, and cross-system analytics of identities and security configurations.
- Performed vendor evaluations; ensured platform and product choices aligned with enterprise needs and team capacities.

Pareto and Solomon Founder

2025 - Present

- Research and technology company. Formal verification research and cybersecurity consulting.

<https://paretoandsolomon.com>

Opening Questions Founder

2021-Present

- Building "Talk With Albert," a language learning application for Ancient Greek featuring guided courses, reading tools, vocabulary, audio, and a bidirectional Ancient Greek-English dictionary.

SecureITSource (iCConsult) IAM Consultant

2019-2021

- Advised clients in healthcare, heavy industry, and banking on identity and access management strategy and implementation.
- Created and led study groups for developing fellow consultants' skills in software engineering and database management.
- Produced pre-sales and conference materials including multi-system integrations, product walkthroughs, promotional videos, blog posts, and pitch decks.

Jacobs Engineering (Blue Canopy) Cybersecurity Consultant

2018-2019

- Served as a cybersecurity consultant for the Federal Deposit Insurance Corporation, supporting compliance with FISMA through audits and access reviews.
- Wrote tooling to automate security evaluations.

Mitchell Gallery at St. John's College Data Analyst, Gallery Guard Supervisor

2016-2017

- Created and documented a data intake and analytics pipeline producing dashboards and presentations for the museum board of directors, covering multiple years of exhibit and visitor demographic data.

Profiles

[Github
jilovet](#)

[LinkedIn
jonathanllovet](#)

Certifications

[CISSP - ISC2
Credly](#)

[CCSP - ISC2
Credly](#)

[CISM - ISACA
Credly](#)

[CRISC - ISACA
Credly](#)

[Okta Certified
Consultant
Credly](#)

Interests

Formal Methods

Proof Assistants

Category Theory

Network Science

Curry-Howard-Lambek
Correspondence

Skills

System
Architecture

Aligning Tech &
Business

Technical
Strategy

Lean 4

Analytics

Cybersecurity

Software
Engineering

Languages

English
Native

German
B2-C1

French
C1 Reading, B1-
B2 Spoken

Latin
B1-B2

Ancient Greek
B1

Modern Greek
A1-A2

Hebrew
B1 Modern, A2
Classical and
Mishnaic

Yiddish
A2-B1

Spanish
B2 Listening,
Reading, A2-B1
Spoken

Italian
B1 Reading,
Listening, A2
Spoken

Russian
A2 Listening,
Reading, A1
Speaking

Education

Towson University M.S. St. John's College B.A.
Computer Science 2025 - Present Philosophy, History of Math and Science 2013-17

Current coursework:

- Theory of Computation
- Computer Organization

Completed coursework:

- Discrete Mathematics

- Nominated for Senior Essay Prize (thesis on Hegel's Phenomenology of Spirit and Philosophy of History)
- Participated in faculty-led study groups on the history of mathematics, logical foundations of mathematics, and philosophy of mathematics

Indiana University East Coursework Middlebury University, SALVI, Paideia Institute,
Mathematics 2022 Others 2015 - Present
Language Study

- Calculus

- Spoken Latin, Ancient Greek (Paideia Institute, SALVI, Triodos Trivium Berlin)
- Modern Hebrew (Middlebury University 2024), Classical Hebrew
- German, French, Italian, Modern Greek

Projects

ProofGraph 2026 - Present
Developing an open-source research platform that applies network science and spectral graph theory to the dependency graph of formalized mathematics. Extracts declaration-level dependencies and proof-theoretic properties from Lean 4 libraries; applies community detection, centrality analysis, and structural hole identification to characterize the organization of verified mathematical knowledge. Provides API and MCP server for AI theorem provers. Pursuing external research funding through the AI for Math Fund (Renaissance Philanthropy / XTX Markets).
<https://proofgraph.org>

Go Server Template 2025 - Present
This repository is an attempt to synthesize lessons and patterns to help make building and managing http servers sensible and able to scale.
github.com/jllovet/go-server-template

Beta Code - UTF8 Transcoder 2021
This transcoder allows you to convert texts that are in Beta Code to UTF-8 and back. Its primary purpose is to support working with Ancient Greek datasets that used Beta Code as their encoding.
github.com/jllovet/betacode-utf8-transcoder

Awards

Ally Award
2022, 2023
Inspire Brands
Awarded for being an exceptional partner in deploying cybersecurity solutions for franchisees

Fulbright English Teaching
Semifinalist
2017
Fulbright
Semifinalist for Fulbright to teach in Germany

Pathways Fellowship
2015
St. John's College
Awarded fellowship funding to study German in Berlin

The William Helis Memorial Award
2013
Jesuit High School New Orleans
Best performance in class for study of Ancient Greek

Eagle Scout
2010
Boy Scouts of America