

Vasilios Syrakis

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I help software and platform teams tackle **ambiguous, complex requirements** by breaking them down into concrete deployable architecture, **while automating away toil and inefficiency**.

Technical Expertise & Core Competencies

- ★ **Software:** Backend, Network Services, Distributed Systems, Internal Developer Platforms, Automation, Performance Optimization, AI-Assisted Development, Ergonomic Tooling
- ★ **Infrastructure:** Cloud Computing (AWS), Networking, Infra as Code, Containerization, Edge Compute
- ★ **Operations:** High-Severity Incident Response, Troubleshooting Complex Issues, Security
- ★ **Leadership:** Training, Mentoring, Architecture and Design, RFCs, Diagramming, Documentation
- ★ **Programming languages:** Rust, Python, Lua, Golang, Bash

Professional Experience

[Atlassian](#) | Senior Systems Engineer | Jan 2018 - Mar 2026

Summary: *I built the load-balancing edge for Atlassian, including all infrastructure as code, image-building, and supporting services. I migrated all internal services to the edge, and then I built extension points to add features (auth, rate-limiting, policy enforcement), while training the team.*

- ★ Architected a global, **self-service reverse proxy platform** across 13 regions using **Envoy** and AWS, replacing unprotected ALBs, standardizing observability across all microservices while routing **50+ billion daily requests**
- ★ Developed a DynamoDB-backed FastAPI service broker with SQS workers, facilitating **automated, asynchronous resource provisioning**.
- ★ Open-sourced a stateless JSON-REST xDS control plane (Python/FastAPI) with customizable templating, **driving adoption across multiple engineering teams**.
- ★ Defined the team's **configuration management and image-building strategy**, laying the foundation for the team using Packer and SaltStack (masterless).
- ★ Developed a Rust/gRPC sidecar to **enforce dynamic authentication and authorization policies**, processing **15 billion+ daily requests** with **minimal latency and CPU overheads**.
- ★ As part of the company push for FedRAMP compliance, rewrote all lesser-supported codebases (Rust, Lua, WASM) into Golang over a 6 week period for deployment into the federal boundary.
- ★ Revisited legacy codebases, optimizing their performance and scalability to bring their response times down from **seconds to milliseconds**, and reducing resource usage (Dynamo read units, CPU, Network bandwidth) **by an order of magnitude (10x+)**.
- ★ Designed a bespoke service-discovery mechanism, using platform events, allowing our proxy infrastructure to bypass AWS ALBs to **significantly reduce network traffic costs (\$1mil+ p.a.)**.
- ★ Mentored intern through delivery of network diagnostic application (full-stack), earning them a Greatly Exceeded rating.
- ★ Adopted bleeding-edge AI-assisted development practices to build tooling, perform research, and scaffold prototypes.
- ★ Drove and assisted with several large-scale (high severity) operational events including troubleshooting, mitigation, root-cause analysis, and overall post-incident review.

[Tyro Payments](#) | Systems Engineer | Dec 2015 - Jan 2018

- ★ Operations, DevOps, Configuration Management. Automated VMWare VM provisioning end-to-end.

[Offis Pty Ltd](#) | Systems Administrator | Feb 2012 - Dec 2015

- ★ Systems administration for an MSP with a private datacenter including colocated racks.