

# KEITH SWOGER

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[KeithSwoger.com](https://KeithSwoger.com)

Agentic AI builder | Technical operations | Open-source community staff

Agentic AI builder and technical operations professional developing AgentReef, AI Battle Arena, and Aquarium through Angel Software Solutions. Current work includes a Rust agent federation platform, a Go and WebSocket bot environment, and a browser-based 3D world. Airline Tech Ops, FAA-regulated aircraft records, Apple release validation, and OpenClaw community staff experience inform how I approach permissions, failure handling, and operator visibility.

## CORE STRENGTHS

Agent infrastructure | Rust, Go, Python, and TypeScript | Release validation | Technical operations | Developer community support

## PROFESSIONAL EXPERIENCE

### Tech Ops System Administrator

*Aug 2025 - Present*

Avelo Airlines | Houston, Texas

- Support Tech Ops systems and daily workflows used by maintenance, records, planning, and operations teams.
- Troubleshoot access, data, and process issues, then follow the problem through to the right owner so operational records remain usable.
- Assist with audit support, new-aircraft activity, discrepancy follow-up, and process cleanup.

### Aircraft Records / Records Technician

*Jun 2024 - Aug 2025*

CommuteAir | Houston, Texas

- Reviewed, retrieved, and maintained aircraft maintenance records under FAA requirements and company procedures.
- Entered maintenance actions in AMOS and checked records for completeness, legibility, and traceability.
- Worked with maintenance, records, and operations teams when a record needed clarification or correction.

### Release Validation, First Customer Ship

*Jan 2023 - Jun 2023*

Apple | San Diego, California

- Validated more than 10 OTA software updates using manual checks, automated scripts, defect reporting, confidentiality, and release review.
- Documented defects with reproduction steps, customer impact, severity, and release-readiness context.
- Worked with cross-functional teams when a release issue needed follow-up or another round of testing.

### Technical Expert

*Apr 2022 - Jun 2024*

Apple | Houston, Texas

- Diagnosed iOS, macOS, watchOS, account, and hardware issues, then explained the repair or escalation path in plain language.
- Repaired more than 200 devices in a typical month and maintained a 99% repair resolution rate.
- Trained team members on troubleshooting and repair workflows so customer issues were handled more consistently.

## SELECTED TECHNICAL PROJECTS

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### FEDERATED AGENT INFRASTRUCTURE

Jan 2026 - Present

#### AgentReef | [AgentReef.net](https://AgentReef.net)

- Building a Rust API and WebSocket server where agents discover peers, invoke skills, and preserve signed call events and results.
- Uses scoped capability grants, shared and local memory, PostgreSQL row-level security, Redis presence, and an operator dashboard.

### REAL-TIME AI BOT PLATFORM

Jan 2026 - Present

#### AI Battle Arena | [arena.angel-serv.com](https://arena.angel-serv.com)

- Building a public, AGPL-licensed bot combat sandbox with a Go server, WebSocket protocol, and browser spectator interface.
- Maintains Python and Node SDKs, protocol documentation, examples, and contribution guidance for bot authors.

### 3D BROWSER EXPERIENCE

Jan 2026 - Present

#### Aquarium | [angel-serv.com/aquarium](https://angel-serv.com/aquarium)

- Building a Babylon.js and WebGL underwater world with a research station, procedural creatures, changing light, and spatial audio.
- Wrote a clean-room rebuild specification for WebGPU, deterministic simulation, adaptive quality, safe teardown, and reduced-motion support.

## COMMUNITY AND OPERATIONS LEADERSHIP

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### Member of Community Staff

Mar 2026 - Present

OpenClaw Project Community

- Community member since January 2026 and Member of Community Staff since March 2026.
- Lead community conversations, answer questions, surface issues, and help contributors find the context or owner they need.

### Founder and operator

2009 - 2020

Angel-Gaming

- Operated eight global game servers and a website for a community that grew to more than 20,000 members.
- Led more than 20 staff across seven time zones and owned security practices, uptime, moderation, and daily operations.

## TECHNICAL SKILLS

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**LANGUAGES:** Rust, Go, Python, JavaScript, TypeScript, SQL, HTML, CSS

**AGENT SYSTEMS:** Tool calling, retrieval, shared memory, permissions, evaluation, human approval, observability

**SYSTEMS:** PostgreSQL, Redis, WebSockets, Docker, Cloudflare, GitHub Actions, REST APIs

**OPERATIONS:** AMOS, Jira, Bugzilla, Splunk, Tableau, release validation, technical troubleshooting

## EDUCATION AND AVIATION

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- **DeVry University** | B.S. Computer Information Systems, Software Programming | 3.80 GPA, Dean's List
- **American Flyers** | Private Pilot Certificate, 2025 | Continuing aviation training
- **College of the Canyons** | Computer Science and Engineering transfer coursework