

# O. FELIX AMORUWA

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Technical PM with 12+ years shipping developer-facing platforms and AI tooling — from SDK Starter Kits and DevPortal infrastructure that scaled to 675M+ engagements (Intuit) to founding an MCP-native agentic desktop product with embedded CLI, multi-agent orchestration, and developer ecosystem features. Hands-on with the full agentic software development stack: built and benchmarked 12 RL algorithms across TRL, VeRL, OpenRLHF, and NeMo RL; shipped multi-provider LLM pipelines; and published at NeurIPS. Equally comfortable discussing model capabilities with researchers, debugging developer workflows with engineers, and presenting product roadmaps to executives.

## PROFESSIONAL EXPERIENCE

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### STREAMIO AI | Oakland, CA

Founder & CEO — *streamio.ai* (macOS, Linux, iOS & Web) 09/24 – Present

- Built MCP-native agentic desktop application (Electron + React + TypeScript) with embedded terminal (xterm.js/node-pty, 20+ slash commands) and MCP server exposing screen capture tools to AI coding assistants — directly extending the developer ecosystem around AI coding workflows.
- Engineered OpenClaw multi-agent orchestration framework with gateway protocol, subagent delegation, profile management, and session switching — enabling coordinated agentic software development workflows across multiple industry verticals.
- Shipped cross-platform desktop builds (macOS DMG with code signing/notarization, Linux .deb) with native ScreenCaptureKit integration via Swift, real-time HLS livestreaming pipeline (FFmpeg, WebSocket), and 100+ component React/Redux Toolkit frontend.
- Built cross-platform iOS streaming app (React Native/Expo) with dual-source capture, on-device FFmpeg transcoding, Picture-in-Picture compositing, and Kinde OAuth 2.0 authentication.
- Led 0-to-1 product strategy, AI development, and go-to-market execution including customer discovery interviews and iterative product refinement.

### FINTELLECT AI | Oakland, CA

Founder & CEO — *fintellectai.io* (iOS/Android/Web) 09/24 – Present

- Architected multi-provider LLM orchestration pipeline (Claude, GPT-4, Gemini) with RAG retrieval (ChromaDB), fallback routing, structured output validation, and token budget optimization — translating cutting-edge AI advances into practical user-facing features.
- Launched mobile-first AI investing platform through App Store; led customer discovery, influencer partnerships, and iterative product refinement based on trader feedback.

### INTUIT | Mountain View, CA

Staff Product Manager — *Developer Frameworks & Platform Infrastructure* 06/21 – 09/24

- Achieved 275% YoY growth in ICE engagements, scaling to 675M+ in FY23 across QuickBooks, TurboTax, Mint, Mailchimp, and Credit Karma; scaled throughput from 6K to 50K TPS via rSocket migration supporting ~1.5M concurrent connections with sub-25ms TP99.
- Extended Java and Python SDK Starter Kits with scaffolding templates, build configurations (Gradle/Maven), testing frameworks, and CI/CD integration — empowering developers to go from zero to production-ready microservice in minutes.
- Delivered ICE Self-Service platform (DevPortal, GitOps config, ICE Playground), reducing developer onboarding from 2–3 weeks to minutes in pre-prod and <24 hours for production, while mitigating \$1M+ in projected opex growth.
- Conducted enterprise-wide Service Language Assessment across 9 languages (Java, Python, Kotlin, Go, TypeScript, Scala, PHP, C++, Groovy), analyzing developer feedback and usage data to inform strategic investment decisions presented to CTO.
- Implemented ICE Presence in async chat generating \$480K/month in additional invoicing; deployed Background-to-Foreground Messaging on iOS/Android with <100ms latency. DeveloperWeek 2022 speaker.
- Initiated MSaaS Drift Detection program: authored Java JAR library to scan Git repos for configuration drift and built remediation roadmap using OpenRewrite.

### SPLUNK INC. | San Francisco, CA

Senior Product Manager — *Search Orchestration* 01/19 – 01/21

- Owned Search Service (Go microservices), Search Catalog (PostgreSQL), and Splunk Processing Language (SPL/SPL2) — defined roadmaps, PRDs, and acceptance criteria for Splunk Cloud Services.
- Delivered Scheduler Service end-to-end in ~4 months, enabling scheduled search for first-party applications; demoed at .conf19. Led query optimization achieving up to 10x performance improvements for beta Fortune 500 customer.
- Designed repeatable RICE-based prioritization framework balancing internal partner, third-party developer, and Fortune 500 customer requirements across 3 microservice backlogs. Splunk .conf18 Speaker.

### KAISER PERMANENTE | Pleasanton, CA

SOA Technical Product Manager 08/12 – 12/18

- Led development and enterprise rollout of Splunk Logging-as-a-Service (1.7 TB daily volume, 200+ internal customers) and ITSI Application Monitoring-as-a-Service; built Redis/XC10 caching layer for scalability and fault tolerance.

### IBM | Pittsburgh, PA / Foster City, CA / RTP, NC

Software Engineer — *Business Intelligence Products* 07/05 – 03/10

- Resolved multiple \$1–5M high-severity customer escalations for enterprise BI products; led cross-functional root cause analysis improving case resolution time by 20% across the Support Organization.

### BANK OF AMERICA MERRILL LYNCH | Charlotte, NC

Tech MBA Summer Associate — *Global Corporate & Investment Banking T&O* 06/11 – 08/11

- Developed Monte Carlo simulation model to optimize DMAIC phase distribution across a \$494M portfolio in Global Technology & Operations.

## AI/ML RESEARCH & PROJECTS

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### RL Workbench — Post-Training RL Platform (2026)

- Built 3-phase RL post-training workbench covering the full RLHF/DPO pipeline: Reward Lab for designing and A/B testing reward functions (RLVR, learned, hybrid) across 4 datasets (GSM8K, MATH, HumanEval, UltraFeedback), Playground for real TRL-powered GRPO/DPO training with live SSE

metric streaming on Apple Silicon (MPS) or CUDA, and Arena for head-to-head framework benchmarking (TRL, VeRL, OpenRLHF, NeMo RL) with GPU passthrough in Docker containers.

- Implemented 12 RL algorithms (PPO, GRPO, DAPO, REINFORCE, REINFORCE++, RLOO, DPO, SimPO, IPO, KTO, ORPO, SPPO) with algorithm-specific metric profiles, cross-tab workflow lineage tracking, and standardized throughput/memory/convergence benchmarking across frameworks.

#### **aeval — AI Model Evaluation Platform** (2025–2026)

- Built local-first developer evaluation platform with 5 core eval types (factuality, reasoning, instruction-following, safety, code generation), adversarial safety testing with refusal detection, and CI/CD integration with regression detection and automated safety gates. Stack: FastAPI, TimescaleDB, Redis, Next.js, Ollama.
- Statistical rigor: bootstrap confidence intervals, Welch's t-test, Cohen's d effect size, and saturation detection — enabling rigorous model capability benchmarking for developer workflows.

#### **BRAIN — Protein Structure Prediction ML Platform** (UC Berkeley 2004; rewritten 2026)

- Built production ML platform in PyTorch with 5 neural architectures (feedforward, GRU, Transformer, ESM-2, multi-task), MLflow experiment tracking, Optuna HPO, and FastAPI serving — 823 automated tests, Docker orchestration (6 containers). Original 2004 system: hand-coded neural network in C++ with custom BPTT; 2026 rewrite spans 413 to 8B parameters (19M-fold scale increase).
- NeurIPS 2014 (Montreal): accepted paper on artificial neural networks for protein secondary structure prediction.

#### **AutoEval — Automated Visual Evaluation for Robot Model Training** (2025)

- Repurposed StreamIO's screen capture + HLS streaming + multimodal AI pipeline to score robot model outputs against natural-language evaluation rubrics — reducing evaluation cycles from 72 hours to ~4 minutes via zero-integration architecture capturing from any visualization tool (RViz, Matplotlib, custom dashboards).

## **EDUCATION**

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### **CARNEGIE MELLON UNIVERSITY, SILICON VALLEY**

Master of Science — Software Management Mountain View, CA (08/16)

### **CARNEGIE MELLON, TEPPER SCHOOL OF BUSINESS**

Master of Business Administration — Concentrations: Finance, Quantitative Analysis, Economics Pittsburgh, PA (03/12)

### **UC BERKELEY, COLLEGE OF ENGINEERING & HAAS SCHOOL OF BUSINESS**

Bachelor of Science — Computational Engineering Science Berkeley, CA (12/05)

Certificate — Corporate Finance for Financial Engineering

## **TEACHING EXPERIENCE**

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### **DE ANZA COLLEGE** | Cupertino, CA

*Adjunct Faculty — Computer Information Systems Department* 04/18 – Present

- CIS 35A/B, 36A/B — Java Programming; CIS 64C/G — PL/SQL; CIS 44F — Data Analytics; CIS 64E — Large Scale Cloud Computing (AWS, GCP); CIS 102 — Ethical Hacking; CIS 104 — Digital Forensics; CIS 95F — Managing Cloud Projects.

## **ADDITIONAL INFORMATION**

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- FAA Commercial Drone License; FAA Private Pilot License (intended CFI)
- O'Reilly & OER Publications: Data Analytics and Managing Cloud Projects (forthcoming Summer 2026)
- First Tee Assistant Golf Coach — San Francisco Chapter (2012–Present), Pittsburgh Chapter (2011–2012)
- Interests: Classical & Jazz Saxophone (Alto/Tenor/Baritone), Triathlon, Golf, Intramural Basketball & Soccer