

FRANK CASHIO

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SOFTWARE ENGINEERING

Software engineer with 20+ years of development experience across full-stack applications, mobile software, cloud services, automation, and systems integration. Builds reliable products with TypeScript, JavaScript, Python, React, Next.js, and React Native. Promoted from junior Linux systems administration to software engineering within four months at Atipa Technologies.

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, Python, Go, C++, C, C#, Java, Bash

Web & Mobile: React, React Native, Next.js, Expo, HTML, CSS

Backend, Cloud & DevOps: REST APIs, GCP, AWS, Docker, Git, Jenkins, Linux

Data & Machine Learning: MongoDB, Firestore, SQL, TensorFlow, Hugging Face, NLP, deep learning

Practices: automated testing (Jest, Vitest, pytest), CI/CD pipelines, Agile/Scrum

Eligibility: U.S. citizen, eligible for DOE/DoD security clearance

PROFESSIONAL EXPERIENCE

Software Engineer & Systems Administrator | Atipa Technologies

Lawrence, KS | Apr 2025–Oct 2026

Promoted from Junior Linux Systems Administrator to Software Engineer within four months

- Built and maintained an enterprise RMA tracking application using Next.js, TypeScript, MongoDB, and FedEx APIs, replacing a spreadsheet and manual FedEx lookups and saving about 5 hours per week
- Developed Saba, a Bash and Redfish tool that cut per-node BIOS configuration from about 10 minutes hands-on to under one minute unattended, a 90%+ reduction
- Designed software integrations that streamlined operational workflows and package tracking
- Administered 200+ Linux cluster nodes and 100+ workstations with Slurm workload scheduling as the primary Linux and HPC owner on a three-person team
- Configured and supported HPC systems delivered to NASA JPL, Beyond New Horizons (AEDC), PNNL, Jefferson Lab, and the University of Chicago, including systems of 50+ nodes valued at \$500K and up

SELECTED PROJECTS

CraveSmart (cravesmart.app)

2025–Present

- Architected and shipped an iPhone app with React Native and Expo, live on the App Store with 25+ users
- Integrate USDA APIs to retrieve nutrition data from user-scanned UPC codes
- Implement GCP authentication, cloud storage, body-fat calculations, and personalized nutrition recommendations

Japanese Language Practice Platform

2024–2025

- Built a Python and TensorFlow speech-analysis system that evaluates phonemes and measures pronunciation accuracy using Levenshtein edit distance
- Integrated Anki spaced repetition and designed a gamified interface with custom visuals and sound effects

EDUCATION

University of Kansas | Coursework in Computer Science and Physics