

ANDREW FORSTER

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Full-stack engineer with 2+ years of experience building production web apps in TypeScript, React, and Next.js. Sole developer behind a platform running a **\$12k/month** business. Shipped a product to **300+ users** with paying customers before public launch. *Expected Graduation: Summer 2026*

SKILLS

Languages: TypeScript, JavaScript, Java, C#, Rust, SQL, HTML/CSS, Lua, Python

Frameworks: React.js, Next.js, Express.js, ASP.NET, Spring Boot, Tailwind CSS, Node.js, Prisma

Databases: PostgreSQL, MongoDB, MySQL, SQLite, Redis

Tools & Integrations: Docker, Git, CI/CD, Azure, Cloudflare R2, SSH, REST APIs, Stripe, OAuth, S3, AWS, Jira, Agile / Scrum

PROFESSIONAL EXPERIENCE

A5 Software LLC — Client: Walker & Homes Photography

May 2025 - Present

Software Engineer (Contract)

Portland, OR, USA

- Rebuilt a client's entire business platform from scratch as the sole developer, replacing their ~\$1,500/year Aryeo dependency; now serves 100+ clients and handles all bookings, payments, and media delivery for a \$12k/month photography business.
- Built a media delivery system handling thousands of photos and videos, chunked uploads, presigned S3 URLs, video streaming, and floor plan management, eliminating the client's need for third-party delivery tools.
- Integrated Stripe for direct payment processing with a client portal for booking management, media access, and invoice payments.

Foodi Menus

April 2025 - February 2026

Junior Software Engineer

Portland, OR, USA

- Built an AI-powered PDF-to-menu importer that reduced menu data entry from 2-3 hours to 10 minutes, cutting client onboarding time by over 90%.

Triumph Tech

December 2024 - February 2025

Web Developer

Surprise, AZ, USA

- Built and delivered pages and components across 3 church client sites, integrating front-end designs with a RockRMS backend within a 40+ person organization.
- Coordinated directly with 5 engineers across regular sprint meetings, navigating an existing codebase and contributing across planning and delivery.

Bbalaj Holdings (Alchemy Analytics)

January 2024 - April 2024

Web Developer

Phoenix, AZ, USA

- Architected and delivered the full front-end of an e-commerce platform from scratch, integrating Stripe checkout and RESTful product APIs
- Load tested to 10,000 concurrent requests and launched to production.

EDUCATION

Grand Canyon University

August 2023 - August 2026

Bachelor's, Software Development

- Minor in Cyber Security

PROJECTS & OUTSIDE EXPERIENCE

Hexis

andrewjf.com/projects/hexis

- Launched to 300+ users with paying customers pre-launch, validating product-market fit before shipping.
- Built the full platform solo across 5 repositories: a Java mod with native Rust and C code via JNI, a Next.js SaaS backend with Stripe and OAuth, a Lua scripting engine, and a Discord bot.
- Designed and implemented a license security system; diagnosed and patched a real-world software crack within days of discovery.
- Implemented A* pathfinding in native Rust via JNI, reducing path computation from 800ms to under 100ms — an 8x performance improvement.
- Shipped a full admin panel: user/license management, live session monitoring, license abuse detection, telemetry pipeline, and audit logs.

Yeet or Keep

- Building a React Native photo cleanup app with on-device detection for blur, duplicates, and screenshots — processes 10,000+ photos entirely offline with zero data leaving the device.
- Built 7 screens, 6 detection signals, perceptual hashing for duplicate matching, and a priority-ranked cleanup feed that scores photos by deletion probability.