

Cameron Bird

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SUMMARY

Senior Software Engineer and Architect with 10+ years building and scaling a rapidly evolving internal platform. Lead contributor to Malouf's 270k+ line internal ERP and primary architect of the integration platform connecting its vendor and channel ecosystem.

Builds large systems, works well with people, and keeps things moving.

EXPERIENCE

Malouf Companies - Logan, UT

December 2015 – Present (10+ years)

Senior Software Engineer (Jul 2023 – Present) - Software Architect Team Lead (Dec 2022 – Jul 2023) - Software Engineering Manager (Jul 2021 – Dec 2022) - Software Engineer (Dec 2015 – Jun 2021)

HQ — INTERNAL ERP

- **Lead architect and primary contributor (11,700+ commits)** to the company's flagship internal ERP platform — 400+ data models and 270,000+ lines of PHP spanning purchasing, inventory, order management, fulfillment, EDI, financials, HR, and more
- Build the order pipeline ingesting sales from dozens of channels (Amazon, Walmart, eBay) and routing them through availability checks, fraud screening, and fulfillment assignment
- Own fulfillment routing logic — determining whether orders ship from company warehouses, drop-shippers, or split across both, handling backorders, substitutions, and carrier selection
- Led a complete **Vue 2** → **Vue 3** migration in 2026 across 700+ components without downtime, using a compatibility shim layer to migrate incrementally alongside active development and custom AI tooling to verify components at scale

BIFROST — INTEGRATION MIDDLEWARE

- Designed and built **Bifrost**: an event-driven integration middleware connecting the company's ERP, drop-ship network, EDI trading partners, and e-commerce channels
- Built an internal event bus handling orders, shipments, invoices, and inventory with full system decoupling
- Route outbound purchase orders to drop-ship vendors via EDI (850, 855, 856, 810, 945, 846) and process inbound acknowledgements and ASNs
- Maintain 8 integration modules with automated test coverage and well-defined system boundaries

INFRASTRUCTURE & STANDARDS

- Own and maintain all hosting infrastructure on AWS for the company's engineering systems
- Manage job queues and all scheduled task orchestration across the platform

- Maintain CI/CD pipelines via GitHub Actions, PHPStan configuration, and company-wide coding standards
 - Shaped AI development guidelines and authored custom skills to support the team's use of Claude Code and GitHub Copilot
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The Family Place Utah — Remote

November 2016 – Present (9+ years)

Freelance Software Developer

- **Sole developer** for Starfish, a custom service management platform supporting nursery, therapy, and education programs
 - Built and maintained core features including an organization-wide calendar, room scheduler, time clock, and employee document store
 - Completed a full ground-up rebuild starting in 2024, modernizing from a home-grown PHP/AngularJS stack to Laravel and Filament — achieved feature parity within a year
 - Operate as a long-term embedded contractor, owning the full software lifecycle from requirements to deployment
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UK2 Group - Providence, UT

January 2011 – December 2015 (5 years)

Software Engineer (Dec 2013 – Dec 2015) - Technical Support Manager (Jan – Nov 2013) - Support Technician (Jan 2011 – Jan 2013)

- Built and maintained web applications and tooling for a web hosting provider
 - Managed a team of 10–15 support technicians: scheduling, performance coaching, 1:1s, and training
 - Progressed from front-line support to engineering through consistent problem-solving and technical contributions
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TECHNICAL SKILLS

Languages: PHP, JavaScript / TypeScript, SQL

Frameworks: Laravel, Vue 3, Filament, Livewire, Tailwind CSS, Pest / PHPUnit

Architecture: Event-driven, Pub/Sub, Domain-driven Design, REST API, Queue-based async workflows

Integrations: ERP systems, e-commerce platforms, EDI, drop-ship networks, payment gateways, shipping carriers

Infrastructure: AWS, MySQL, GitHub Actions CI/CD, static analysis tooling

AI & Tooling: Claude Code, GitHub Copilot

EDUCATION

Bachelor of Science, Computer Science

Utah State University (2009 – 2013)

References available upon request.