

yuji nelson

Senior Software Engineer, Front-end Reading, UK

yujinelson.com k.yuji.nelson@gmail.com github.com/justaddcl linkedin.com/in/yujinelson

SUMMARY

Senior Software Engineer (12+ years) with deep React/TypeScript expertise, plus hands-on experience contributing to APIs and backend services. Recently led architecture for Cleo's Earned Wage Access Request Tab rebuild, replacing complex client-side branching with predictable, backend-driven states, and delivered A/B-tested fintech workflows reaching over a million users. Recognised for engineering craftsmanship and building maintainable product experiences across fintech, travel, e-commerce, and enterprise software.

SKILLS

Front-end

TypeScript, React, React Native, Next.js, TanStack Query, Redux, shadcn/ui, Tailwind CSS, Storybook, HTML, CSS

APIs & Backend

TypeSpec / OpenAPI, tRPC, GraphQL, Node.js, Drizzle, PostgreSQL

Product & Delivery

A/B testing, feature flags, data exploration, product dashboards, session replay, customer-support investigation, production monitoring

AI-assisted Engineering

Codex, Claude Code, Cursor, Conductor; manual review before shipping

EXPERIENCE

Senior Software Engineer, Front-end · Cleo

Jun 2024 - June 2026

- Feature-led Earned Wage Access disbursement flow improvements across a 2M+ user A/B test population, recovering delayed delivery, catching a launch-blocking card-linking regression before release, and investigating support-contact issues using Count dashboards and Intercom transcripts.
Ensured 100% UI parity across US/UK markets by leading the React Native rebuild of the Earned Wage Access flow; simplified deeply nested, 10-outcome hooks into a backend-driven state architecture, reducing component complexity to 1-3 predictable outcomes.
- Led a same-day production hotfix for an Earned Wage Access reload incident, diagnosing the issue as an API contract/type-boundary problem, shipping a minimal fix, then following up with a TypeSpec enum change on the Ruby on Rails backend that caught a missing UK disbursement method value within 24 hours.
- Authored the front-end chapter's Redux Saga to TanStack Query migration playbook, later adopted by Front-End Platform as the guide for a wider migration away from legacy data-fetching patterns.
- Submitted 580+ code reviews across the engineering organisation, becoming a trusted reviewer for complex React Native, TypeScript, Redux Saga, and API-boundary changes.

Senior Software Engineer · Teya

Nov 2022 - Jun 2024

- Acted as Customer Service Portal (CSP) workstream lead for most of 2023, driving sprint planning, technical direction, and cross-workstream sequencing for Teya's merchant back-office platform.
- Eliminated feature dependencies on the Java backend team by taking ownership of GraphQL BFF changes (TypeScript/Node); implemented VAT calculations, bank mutations, and billing migrations, enabling the frontend team to ship merchant platform features independently.
- Led the architectural decision to adopt react-hook-form across CSP, comparing Formik, React Hook Form, and React Final Form with proof-of-concept PRs before shipping the foundational form refactor.
- Reduced post-release regressions and improved PR turnaround time by serving as 'Code Quality Ambassador'; introduced ESLint standards and mentored junior engineers, elevating the bar for technical review across CSP.

Software Engineer, Front-End · Duffel

Nov 2021 - Sep 2022

- Enabled instant order discovery for customers by partnering with backend engineering to tune and integrate a site-wide search service using Meilisearch; led the full frontend implementation and UX design integration for the Duffel Next.js platform.
- Developed new loyalty programmes feature for multi-step search and checkout process with Formik and TypeScript.
- Implemented a feed-style homepage for the Duffel Next.js web application to educate users about the product as well as highlight new product features.

Front-End Web Developer · Magpul Industries

Sep 2017 - May 2021

- Drove 3x year-over-year growth in e-commerce sales for a site with 500k+ monthly visitors by leading a mobile-first UI/UX overhaul and developing high-conversion landing pages (4x unique view increase).
- Automated manual workflows by 90%+ by building custom Node.js CLI tools and browser extensions that enforced frontend consistency and streamlined internal e-commerce management tasks using GraphQL and REST APIs.

Web Developer · Boeing

Jul 2014 - Jun 2017

- Consolidated 20+ disparate websites into a unified enterprise web strategy, partnering with product teams to eliminate UI inconsistency and significantly reduce manual maintenance workload.
- Reduced support tickets by 50% by architecting and developing the UX/UI for the enterprise self-service documentation platform, enabling 1,200+ employees to efficiently find hardware standards and technical instructions.

SELECTED PROJECT

Sanbi · Side project

In progress

- Developing a full-stack worship planning app for church leaders to manage song libraries, build setlists, track song usage, and prepare events. Built with Next.js App Router, tRPC, Drizzle, PostgreSQL, shadcn/ui and Tailwind CSS, with 3 rounds of mid-fidelity user testing completed and 100+ PRs merged while working toward v0 launch.

EDUCATION

University of Washington

09/2011 - 06/2014 // Seattle, WA

Bachelor of Arts in Information Systems & Business Administration