


# Tanuj Nagpal

Software engineering enthusiast by heart, frontend developer by profession and code story-teller • Haryana, 

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## Projects

### 🔥 Almada

Built at 🌐 Kwalee

An ad mediation platform for game studios and independent game developers.

#### Ad Mediation Platform

TS ·  ·  ·  ·  · 

- Developed and delivered high fidelity UI revamp for the app from a MVP-stage UI, resulting in a new brand image for user acquisitions.
- Integrated AWS Cognito for Google SSO with app-level RBAC for authorization.
- Designed & implemented data import/export features in various modules for ease of administration over the platform, reducing administrative time by **40%** with intuitive UI.
- Optimized performance issues across the app, resulting in better UX and overall app performance.

### 🔥 Design System

Built at 🌐 Kwalee

Kwalee's internal UI design system

#### UI Design System

TS ·  ·  ·  ·  · 

- Laid the foundations with a monorepo(turborepo) consisting packages like react components, centralized tailwind-config, linter(biome) configs etc.
- Integrated this system in two projects enhancing developer efficiency and reducing designer/developer workload by **60-70%**.
- Wrote dev scripts to propagate local changes over all host apps from local dependencies using chokidar and concurrently.

### 🔥 NexusPlatform

Built at  JTG

<https://nexusplatform.co.uk/>

GroupNexus owned car park management platform supporting over 1,200 parking sites all over UK.

#### Platform

TS ·  ·  ·  ·  ·  · 

- Integrated Stripe's BACS direct debit for ease of payments propelling revenue with good numbers, £500k+ and still climbing
- Architected, planned and led end-to-end Azure AD SSO integration with google cloud platform.
- Implemented scalable multi-timezone support for time-critical modules to support new countries in client's portfolio.

### ✉ Printing Infra

Built at ✉ InstantPost

#### Printing SDK

JS ·  ·  ·  · 

- Used webpack to write a generic re-usable frontend SDK and integrated it into various frontend apps.
- Worked on multiple microservices in an edge network infrastructure.

## Other skills

Web (+ HTML, CSS, styled),Forms (+ reacthookform, Formik),Schemas (+ Yup, Zod),Tools (+ Vite, ESLint, Biome),Cloud (+ Google Cloud, Renovate),Python (+ Flask),Testing (+ Pytest, Jest),Database (+ Firebase, PostgreSQL),Shell (+ Bash, Zsh, Fish),OS (+ Arch, KDE, Ubuntu, mac),Misc. (+ react-table, RTK Query)

## Roles

### 🔥 Kwalee

Royal Leamington Spa, England, 

<https://www.kwalee.com/>

Remote

The company behind Draw it, Teacher Simulator, Airport Security, Bake it and many more fun games.

#### Frontend Developer II

Jun-2024 – •Present


- Built Kwalee's internal UI design system from scratch to power an ad-mediation platform and other frontend apps.
- Integrated authentication flow and RBAC end to end across Almada.
- Worked on various features to make the Almada B2B ready.

#### Frontend Developer II

Nov-2023 – May-2024

- Worked on multiple features to support admin dashboard for Dream Build Solitaire and other games.
- Optimized code structure to make an admin dashboard support multiple games.
- Implemented ABAC across the apps to support access control across teams/environments.

### JTG

Gurugram, HR, 

<https://www.joshtechnologygroup.com/>

On-site

JTG provides advanced and customized technological solutions for its clients to overcome business challenges.

#### Senior Frontend Developer

Oct-2022 – Oct-2023

- Led multiple cross-functional teams for medium to high complexity features in React, Firebase, Python, GCP architecture for a car park management platform.
- Designed, reviewed & implemented technical implementation design and plans for features like Azure AD SSO, integrating payment gateways etc.
- Onboarded & mentored new developers, conducted interviews.

#### Frontend Developer

Aug-2021 – Sep-2022

- Supported the device management team to implement a multi-step form with google maps integration.
- Facilitated multi-timezone support for UI timestamps across the platform for accurate datetime.
- Designed interview problems for campus/off-campus recruitment drives.

### ✉ InstantPost

Bangalore, KA, 

<https://www.linkedin.com/company/instantpost>

Remote

InstantPost builds the next-generation consumer electronics.

#### Software Engineer (Part-time)

Aug-2018 – Jan-2021

- Wrote frontend SDK for paper printing infrastructure. Integrated this with two of the InstantPost's core web applications.

- Developed and integrated InstantPost's authorization server with several microservices.
- Maintained and supported features for multiple microservices in Python and Flask.
- Wrote Embedded C for LattePanda platform to control payments, temperature regulators for printing infrastructure.