

JEFFIN JOSE

Senior Full Stack Developer
2016-Present

<https://jeffinjose.dev>

+447741504233

jeffinj787@gmail.com

Sheffield, United Kingdom



Programming languages:

TypeScript (5 years), Javascript (8 years), Java (4 years).

Frontend:

- Frameworks: Next.js, React.js, Angular.js, React Native, Turbo repo.
- UI/Styling: Tailwind CSS, ShadCN, MUI.
- State Management: React Query, Context API, Jotai, Redux.
- Authentication: NextAuth, Auth.js, Okta, BetterAuth, SSO.
- React Server Components, Server Side Rendering, Server actions.
- Zod, TRPC, ReactHookForms, React Query, GraphQL.

Backend:

- Node.js Ecosystem: NestJS, Express.js, Node.js.
- Java Ecosystem: Spring Boot, Hibernate, Camunda BPMN.
- APIs: RESTful, Websocket, SSE, NATs.
- Data: MySQL, PostgreSQL, MongoDB, Redis, DynamoDB, S3, TypeORM, DrizzleORM.
- CMS: Strapi.
- Architecture: Microservices, Monolith, Serverless, Event-Driven.

Cloud, CI/CD & Dev tools:

- AWS: Amplify, Cognito, DynamoDB, S3, EC2.
- Azure: Active Directory (Entra), App Service, Container Registry, Kubernetes.Service bus, Postgres, Redis.
- CI/CD: GitHub Actions, Docker.
- Deployment: Vercel, Azure, AWS, Render.
- Project tools: Semantic release, Husky, ESLint, Prettier.

AI:

- Image generation: Dalle (OpenAI), Replicate, Hugging-face.
- Chatbot: OpenAI- Assistants, Threads, Messages.

PROFESSIONAL EXPERIENCE

June 2022 - Dec 2024

Knights LLC (Early-stage esports startup) | Pittsburgh, United States

Senior Full Stack Developer - Tech Lead (*Remote*) | (2 years, 7 months)

[Developed event management systems for the competitive gaming industry]

Primary Technologies: TypeScript, Next.js, NestJS, Node.js, Postgres.

- **Leadership Responsibilities:**

- Closely worked with Founder, and CEO for product designing.
- Managed cross-functional teams and led projects from conception to delivery.
- Facilitated collaboration between front-end, back-end, and UI/UX teams.
- Mentored junior developers, conducted code reviews, and fostered continuous learning.
- Handled resource allocation, task prioritization, and risk management within agile teams.

- **Key Technical Achievements:**

- Architected and implemented a Discord server management system with loyalty features, increasing user retention.
- Developed an innovative queue system & matchmaking allowing server members to join organized gameplay sessions.
- Custom user authentication and onboarding system integrated with Discord & Azure Active Directory(Entra).
- Spearheaded adoption of microservices architecture, improving system scalability and reducing deployment time.
- Led the development of an event management admin panel web app using NextJS and a custom internal UI components library.
- Setting up CI/CD pipelines, versioning system, & project tools for the dev team.

- **Primary project: Matchbot Esports Event Management System**

- **Discord Bot (NestJS, TypeScript, DiscordJS):**
 - Created a dual-purpose bot allowing administrators to manage tournament queues and events.
 - Enabled server members to queue up for games, join matches, and participate in tournaments.

- Implemented real-time notifications and status updates for players and admins.
 - **Admin Panel (Next.js, ShadCN, TailwindCSS & TypeScript):** Developed a comprehensive dashboard for event creation, configuration, tournament management, and leaderboard visualization.
 - **Microservice Backend (NestJS, NATs, Redis, Postgres & Typescript):** I architected and implemented a system of 7 interconnected microservices to handle different platform aspects.
 - **Authentication System (Azure active directory, Custom policies & NextAuth):** Created custom auth flow with Discord integration and server role-based access control.
 - **User Onboarding (NextJS, NextAuth, Postgres, NodeJS):** Designed seamless registration and profile management with Discord identity verification
- **Additional Projects:**
 - **Pick-Ban Application (Next.js & TypeScript, Websocket, NodeJS):** Developed application utilized by [Riot Games](#) for official [League of Legends championships](#).
 - **Game Client Integration (Node.js, Azure Service Bus):** Integrated Riot Games client API for real-time data processing, and live queue system for managing and monitoring systems in a championship event.

March 2021 - Nov 2021

TapIn Pay (Early-stage retail tech startup) | Richmond, BC, Canada

Full Stack Developer - (Remote) | (9 months).

[Built inventory, ordering, and delivery tracking solutions for local retailers]

Primary Technologies: TypeScript, React Native, NestJS

- **Key Technical Achievements:**
 - Created a real-time location tracking system, improving driver efficiency and customer satisfaction (ReactNative & NestJS).
 - Deployed applications on AWS EC2.
 - Integrated with AWS services such as Postgres, Redis, S3, and DynamoDB.
- **Notable Projects:**
 - **Delivery Track App (React Native & TypeScript):** Implemented real-time delivery driver location tracking using Google Maps API and GeoLocation services.

- **Order Management Backend (NestJS & TypeScript):** I architected a robust system with APIs and background services that processed 5,000+ orders per hour during peak times.

January 2020 - February 2021

Smartechns LLC (Early-stage construction tech startup - SAAS) |

Pennsylvania, United States

Full Stack Developer (**Remote**) | (1 year, 2 months).

Primary Technologies: TypeScript, Java, AngularJS, Spring Boot, React Native, AWS, Camunda BPMN, NodeJS, ExpressJS

- **Key Technical Achievements:**

- Designed and implemented scalable web, mobile & backend applications.
- Deployed applications on AWS.
- R&D custom video call solution from web to mobile and viz.
- Integrated backend services with AWS services such as DynamoDB, S3, and Cognito.
- Maintain & migrate legacy systems.
- Closely collaborate with the founder for technical scoping.

- **Notable Projects:**

- **Admin Panel (AngularJS & TypeScript):** Built a comprehensive admin management interface, improving client operations on the construction site, and managing workflows and documents required for workflows for plumbers, and electricians.
- **Spring Boot Backend with Camunda BPM Integration(S3, DynamoDB):** Developed a RESTful API service that enables workflow orchestration, process automation and monitoring using Camunda BPMN integration
- **Data Persistence System (Hibernate, Java):** Created scalable JSON data storage solution in AWS DynamoDB.
- **SMS & Email Service (Node.js, TypeScript, RESTAPIs):** Implemented global messaging service using AWS SNS for user notification, authentication & verification.
- **Video call integration:** Integrated video call feature to admin panel web app and mobile app using Jitsi SDK and Websockets.
- **Workflow mobile app:** A React native application for construction site workers to follow predefined workflows with the support of videos, supporting documents, and a video call feature.

January 2016 - December 2019

Flexiapps Solutions (Educational technology - SAAS) | Bangalore, India

Full Stack Developer - *(On-site) | (4 years)*

Primary Technologies: JavaScript, Java, React Native, Android SDK.

- **Key Technical Achievements:**

- Specialized in native and hybrid Android application development.
- Delivered responsive web applications for school/college faculties.
- Support and maintain legacy systems.

- **Notable Projects:**

- **Eduflex Friendly (React Native, JavaScript):** Assignment and attendance management app used by teachers.
- **GPS Tracking Application (Android SDK, Java):** School bus tracking app used by 50+ schools and 10,000+ parents.
- **Hybrid Application for Labournet (React Native, JavaScript):** Web and mobile app project. Create and manage orders, and appointments.

PERSONAL PROJECTS:

- **BrandWizor (NextJS, Typescript, OpenAI, Replicate & HuggingFace):** It is an all-in-one AI-powered platform for creating, managing, and evolving your brand identity with professional tools. <https://brandwizor.com>
- **Crest (NextJS, NestJS, Passport, OAuth, & Typescript):** A centralized global profile to share all your social links (Similar to LinkTree). <https://crest-tan.vercel.app>
- **Other projects:** <https://jeffinjose.dev/projects>

EDUCATION:

William Carrey University - Shillong, Meghalaya | India

BTech - Computer science and engineering (2015)