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.
- Features: React Server Components, Server Side Rendering, Server actions.

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):** Designed seamless registration and profile management with Discord identity verification

- ● **Additional Projects:**
  - **Pick-Ban Application (Next.js & TypeScript, Websocket):** 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
Smartechs 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)