ARYAN RAI

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EXPERIENCE

TransFi India Private Limited | Tampa Florida - Remote | Senior Software Engineer | Full Time　　　　　　(12/2023 - Present)
- Developed [TransFi's](#) flagship products, Payouts and Collections, enabling over $500 million in transactions in the first month.
- Collaborated with diverse teams using backend technologies (ExpressJS, NodeJS, Redis, GitHub), AWS services (EC2, S3, SQS, Lambda, SNS), implemented Webhooks for real-time notifications, and managed data processing with Consumers and Producers.
- Enhanced front-end interfaces with ReactJS, NextJS, HTML, CSS, JavaScript, Tailwind CSS, and Chakra UI.
- Worked with more than 10 APIs from providers like Sumsub, OKX, Binance, Huobi, Coingecko.

ElhiTech | Hyderabad, Telangana | Web Application Developer | Intern　　　　　　(07/2022 - 09/2022)
- Interned at [ElhiTech](#) for 3 months and used technologies like React.js, CSS, JavaScript, Node.js, Express.js, MongoDB.
- Developed and Deployed industry-ready and robust full stack applications to streamline production and automate processes in manufacturing factories with a workforce capacity of over 1000 workers.
- Leveraged 10+ cutting-edge technologies including Git and GitHub for version control.
- Demonstrated a significant increase of 45% in production speed and a heightened level of organization.

EDUCATION

Bachelor of Technology - Computer Science, Vellore Institute of Technology, Andhra Pradesh　　　**(**09/2020 - 06/2024)
XII (ICSE) | City Montessori School GN-1, Lucknow, Uttar Pradesh　　　(03/2019 - 08/2020)

SKILLS

- **Programming Languages -** Java, Python, JavaScript, Typescript
- **Frontend Web Development -** ReactJS, NextJS, HTML, CSS, SCSS, Chakra UI, MUI, Responsive Design.
- **Backend Web Development** - Node.js, Typescript, Express.js, MongoDB (NoSQL), PostgreSQL, MySQL, AWS Cloud
- **Tools and Additional Skills -** Figma, Bash, Linux, Git and GitHub, VS Code, AWS (EC2, S3, SQS, Lambda Functions, AWS Eventbridge, Amazon EKS, SNS), Kafka, Web RTC, Redis, Docker, Kubernetes, K8s.
- **Certificates -** [NodeJS - The Complete Guide (MVC, REST APIs, GraphQL, Deno)](#), [Certified Ethereum Developer Certificate](#), [ElhiTech Internship Completion Certificate](#), [TransFi Internship Completion Certificate](#)

PROJECTS

NexusGear | An E-Commerce Website for Gaming Peripherals | [Link](#) **|** [Live Project Link](#)
ReactJS, Tailwind CSS, Express.js, Node.js, MongoDB, Stripe APIs, Turborepo, Docker, Kubernetes, K8s
- Engineered a full-stack MERN application within a Turborepo monorepo, featuring a secure shopping cart and user authentication.
- Developed a scalable Node.js backend with an MVC architecture, JWT authentication, and Stripe API for payment processing.
- Containerized the application with Docker and deployed it to a DigitalOcean Kubernetes (K8s) cluster with Nginx ingress, load balancing, and auto scaling for high availability.

Reach | Real-Time Chat & P2P Video Application | [Link](#) **|** [Live Project Link](#)
ReactJS, CSS, Express.js, Node.js, MongoDB, Socket.io, WebRTC, Redis, TurboRepo, Docker, Kubernetes, K8s
- Engineered a real-time chat and P2P video calling platform on the MERN stack, implementing WebRTC, low-latency video streams.
- Scaled the application to support over 1000 concurrent users and 100+ I/O operations per second using Socket.io with Redis adapters.
- Secured the app with JWT authentication , built a responsive UI with custom profiles , and containerized it with Docker for Kubernetes (K8s) deployment.

Sonic Library System | [Link](#)
ReactJS, CSS, Express.js, Node.js, MongoDB, C, Arduino, Amazon EC2, AWS Elastic Load Balancer
- IOT based Library Management System with a dedicated Website for monitoring sound levels on 100+ tables.
- Deliver real-time table sound level monitoring using Arduino ESP-32 which monitors and sends data to the backend on regular intervals.
- Ensure Secure Sign-in using session based Authentication system which can handle 500+ I/O per library table.