



PROFILE INFO

- 4 years of hands-on technical experience in software development and driving operational efficiency through business solutions
- Led end-to-end development of multiple products with full ownership
- Achieved first position in the company's internal Hackathon by developing a smart attendance system for employees using OpenCV and RFID, currently in use at current office premises

EDUCATION

THAPAR INSTITUTE OF ENGG & TECHNOLOGY
07/2016 - 08/2021

- MBA in Information Systems and Finance
- BE in Computer Science

CAPSTONE PROJECT:

Driver Drowsiness Detection

- In a team of 4, developed a device to fit above the steering of any vehicle to monitor the facial visuals of the driver to detect drowsiness.
- Trained a face detection machine learning model, using Haar Cascade to detect closed eyes and yawning.

RELEVANT INTERNSHIP:

SIMBAQUARTZ | 12/2019 - 06/2020

- Implemented performance optimizations, resulting in a 20% reduction in app load times and a smoother user experience
- Worked on integrating third-party APIs, such as Google's geolocation service and Instagram posts, to enhance app functionality

SKILLS

- **Languages:** Python, Javascript, Typescript, GO, PHP, HTML, CSS
- **Frameworks:** React, NextJS, Django, FastAPI, Express, NestJS
- **Tools:** Git, Docker, Jira, Redis, RabbitMQ
- **Databases:** MySQL, PostgreSQL, MongoDB, TimescaleDB
- **Others:** Drizzle, SQLAlchemy

CERTIFICATIONS

- Data Analysis with Python (IBM)
- Advanced React (Meta)
- Advanced SQL (Udemy)
- NodeJS: Advanced Concepts (Udemy)

EXPERIENCE

FULL STACK ENGINEER

UPFORKS | 08/2023 - PRESENT

- **NexaScreen** (Enterprise SaaS)
 - Multi-tenant SaaS platform for drug testing site management.
 - Engineered integrations with eScreen and FormFox, enabling real-time test result updates, reducing manual data entry by **70%**.
 - Designed and implemented DOT and FMCSA compliant features.
 - Created customizable **white-labelling functionality**, allowing tenant administrators to brand the platform as their own.
 - Implemented robust user management system with granular role-based access controls.
 - Tools Used: ReactJS, Python, PostgreSQL, Redis, CloudFlare

• Tradelizer (FinTech)

- Cutting-edge trade journaling platform, enabling users to visualize and optimize trading strategies with real-time market data and comprehensive reporting system (**1500+ MAU**).
- Added integrations with 10+ North American brokers, enabling automatic real-time trade imports, **saving 100% journaling time**.
- Engineered a trade replay trade feature, allowing users to simulate historical trading scenarios with real market data.
- Tools Used: NextJS, Express, MongoDB, Redis, React Native

• Black Grandeur Chauffeur (Online Ride Booking)

- Engineered a dynamic booking system with real-time quotation functionality, enabling users to request and confirm chauffeur services efficiently.
- Designed interactive fleet display, allowing users to explore vehicle options and real-time ride tracking.
- End-to-end admin application solution to manage fleet, bookings, customers and payment functionalities.
- Tools Used: ReactJS, Express, MongoDB, React Native

SOFTWARE DEVELOPMENT ENGINEER

SIMBAQUARTZ | 06/2021 - 08/2023

- **Suhavi AudioBooks** (Audiobook platform)
 - Mobile application designed to provide a vast library of audiobooks across various genres.
 - Designed and implemented the core audio playback system.
 - Optimize audiobooks upload feature, reduce upload time of **large file (~500mb)** by **70%** by streaming the files.
 - Tools Used: React Native, ExpressJS, S3
- **myFanstime** (Social Media)
 - Social media, networking web application including real time chatting and monetization features.
 - Several modules including feed, messaging, subscriptions, etc
 - Converted to dockerized micro-services and deployed on ECS.
 - Implemented Stripe connect accounts for payouts and setup subscriptions as well as one-time payments.
 - Tools Used: ReactJs, Express, MongoDB, Stripe, AWS