

# SANDEEPKUMAR TAMILMANI

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## Experience

### CargoAi

Software Engineer

Queenstown, Singapore

Aug 2020 - Present

- **Subscription Platform:** Architected and built a subscription platform for all the services offered by CargoAi. Integrated with RapidAPI to effortlessly subscribe and use the API.
- **Track and Trace:** Designed and developed an extensible end-to-end Track & Trace service for several major Airlines (Air France, British Airways, Etihad, Finnair, etc.) integrated with our application. 1000's of cargo forwarders use this service for day-to-day tracking of their shipments.
- **Carbon Emission Calculator:** Designed and developed a 99% accurate carbon emission calculator service for air cargo shipments transported with various carriers. Both airlines and forwarders use this service extensively to calculate carbon emission for shipments and transport it eco-friendly.
- **Flight Schedule:** Implemented flight schedule service to get real-time schedules of all cargo airlines with the market rate. Helped forwarders to choose the best cost-effective carrier for their shipment.
- **Website:** Designed and developed the company's website with responsive design and excellent search engine optimisation using GatsbyJS.

### Qube Cinema

Software Engineer Intern

Chennai, India

May 2019 - Jul 2020

- **XP 4.0:** Worked in the development of DCI certified next-generation digital cinema server that enables movie playback in more than 4500 screens around the world.
- **Automation Controller:** Worked in the development of Automation Controller, which automates around 90% of the manual tasks done when playing movies in theatres. It can be easily integrated with theatre management system for much more automation.
- **Distributor Asset Manager:** Designed and developed distributor asset management service which helps distributor's to manage their assets in the cloud.

### Qube Cinema

Software Engineer Intern

Chennai, India

Aug 2018 - Dec 2018

- **iTunes publisher:** Developed an internal iTunes publisher tool that restructures and publishes digital cinema contents to iTunes.
- **HDD health monitor:** Developed an HDD health monitor service that monitors the health of the hard disk drives currently in use and sends the periodic reports in slack.

## Education

### SSN College of Engineering, Anna University

Bachelors in Electronics and Communication, First Class

Chennai, India

Aug 2016 - Sep 2020

- **Thesis:** Augmented Reality assisted Smart Theatre System - This project lets the audience view and switch subtitles to multiple languages in theatres using augmented reality. As of now, the audience can use android phones to experience it.

## Projects

- **Fast Torrent:** This project enables users to save torrent file contents (with a maximum size of 5 GB) directly to the cloud and download them quickly without worrying about seeds.
- **Crypto Health:** This project enables hospital managements to store their patient's health data in a blockchain model ensuring high security.

## Skills

- **Languages:** Java, Go, Python, JavaScript, TypeScript, C#
- **Databases:** DynamoDB, Postgres, Mysql, Sqlite3, Redis
- **Cloud / Deployment:** AWS, Heroku, Github
- **Others:** SQS, Docker, Shell Script, Yocto Linux, Git