

# Sandeepkumar Tamilmani

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## Education

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### Anna University

Bachelor of Engineering, Electronics and Communication

Jul 2016 - Sep 2020

Chennai, India

## Experience

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### CargoAi

Software Development Engineer

Aug 2020 - Present

Queenstown, Singapore

- Developed a **Track & Trace system** for several Airlines (Etihad, Finnair, etc.) integrated with our application using Angular and Java.
- Developed a **Subscription system** for CO2 Shipment tracker service using Go and Python.
- Developed **CO2 Shipment tracker microservice** using Go and Python, used by 1000's of users worldwide.
- Developed **Flight tracker microservice** using Go and Python, used by 1000's of users worldwide.
- Developed the **Company's website** using React.

### Qube Cinema

Software Development Engineer Intern

May 2019 - Jul 2020

Chennai, India

- Worked in the development of **Next-generation playback server XP 4.0** for theatres used in 4000 screens worldwide using Go, React, and Yocto Linux.
- Worked in the development of **Automation Controller** using Go and Python, which automates the manual tasks done in theatres.
- Worked in the migration of **Distributor asset microservice** written in Node.js to Go and deployed it in AWS Lambda, which 1000's of distributors will use.

### Qube Cinema

Software Development Engineer Intern

Aug 2018 - Dec 2018

Chennai, India

- Designed and developed an app using Python that generates an XML file from the available cinema assets. It is used for publishing the **content to iTunes**.
- Designed and developed a **command-line application** using Python that monitors the status of hard drives currently in use and stores the logs in a file.

## Projects

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### Subtitles Viewer

- This project enables the audience to view subtitles in a theatre through augmented reality. As of now Android phones can be used to experience it.
- Tech Stack: Go, C#, gRPC, Sqlite3

### Crypto Records

- A Web Application for hospital management to store their data in a blockchain model ensuring high security for them.
- Tech Stack: React, Django, PostgreSQL

## Skills

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**Languages:** Java, Go, Python, JavaScript, C++

**Databases:** Postgres, Mysql, Sqlite3, Redis

**Queues:** SQS

**Cloud / Deployment:** AWS, Heroku