

Soorej Jones

Software Engineer

Passionate and versatile engineer, problem-solver, and leader. Experienced a lean, agile, fast-paced start-up at flujo and a detailed, organised, and distributed engineering culture at GE, with hands-on experience building and managing real-time on-demand web-based applications to implementing and campaigning for cutting edge DevOps transformations.

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WORK EXPERIENCE

Lead Engineer and PO flujo.io

07/2019 - Present

Modern workspace collaboration suite.

Achievements/Tasks

- Designed and built the back-end for a **messenger** that works cross-platform, with features like **presence and typing indicators**, multimedia, groups, reply, threads, guests, and **search** using **node.js**, **MongoDB**, **web sockets**, **FCM**, and **Redis pub/sub**.
- Designed and built a **discussions forum**, topics; with reactions, **nested commenting**, view counts, **popularity based feed**, category filters and sharing using node.js and MongoDB.
- Refactored and redesigned the architecture our **cloud storage solution** using **S3** to be **scalable** and **secure**.
- Wrote an interactive bot that works using web hooks with **Django**, **celery** and **Postgres**.
- Standardised APIs** to be **secure** when accessed by third parties and migrated authentication to **Amazon Cognito** using **AWS Lambda** and built a unified authorisation middleware for all microservices.
- Set up the infrastructure using **Docker**, **Kubernetes**, **Jenkins** and monitoring with **Prometheus** and **Grafana**.
- Built and **lead a team** for mobile app development in **flutter**, and a team of QE engineers. Set up processes and **agile practices**.

Contact: Abhiram Deshpande, Founder and COO of flujo - +91 984 958 7658

Software Engineering Specialist at GE GE Digital

07/2017 - 07/2019

Pioneer and Market leader on Industrial IoT

Achievements/Tasks

- Worked as the only engineer responsible for all GE APM environments (including production) during Indian hours; worked on creating DevOps standards in the organisation using **Jenkins** pipelines and **shell scripts**. Also built an **SDK** in **python** for automating tasks involving Security, Users and Functionalities of GE's APM.
- Worked on a **Kubernetes-Azure** PoC to migrate our products from an in-house infrastructure based on **cloudfoundry** to an industrial standard using **Kubernetes** and **docker** with a small team.
- Migrated application monitoring from **Newrelic** to **Appdynamics**.

EDUCATION

B.Tech in Computer Science and Engineering

College of Engineering, Trivandrum (CET, University of Kerala)

2013 - 2017

SKILLS

Node.js (javascript, express)

Django

Python

MongoDB

golang

AWS (EC2, EKS, S3, Lambda, RDS, Cognito, ALB, GA)

Kubernetes

Docker

Jenkins

PERSONAL PROJECTS

pype (2016)

- Built a **decentralised**, persistent and anonymous peer-to-peer **video conferencing system** using **python**, and **c**.

Photographer Bot (2015)

- Made a **face detecting robot** that moved around and photographed guests at CETEX. The bot was built using an **android** phone for photographing, face detection, **intelligent movement**, **obstacle avoidance**, and real-time photo publishing and a raspberryPi for motor controls

Blockchains and Cryptocurrencies (2016)

- Presented a detailed study on cryptocurrencies and blockchain as part of the coursework including code demos of bitcoin **proof of work**, and **moving difficulties**

ACHIEVEMENTS

Chairman of CETAAConnect. (2014 – 2017)
(2014 - 2017)

As a founding member, headed technical operations for CETAAConnect; a student organisation to increase alumni involvement in the campus. Later promoted to Chairman of the organisation.

Presented a paper at IEEE Asia Pacific HTC
(2014)

A rural-urban educational bridge using cloud computing technologies. A model for offloading computing power to servers at urban universities to support educational platforms that promote rural education efforts.

Convenor for Colours of Dhvani (2015)

Organised a promotion event for the annual cultural festival of CET, which involved over 1500 students at the closing ceremony of 2015 National Games of India.