

Naveen Naidu M

Engineering Manager

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I'm a technical people leader with a passion for building products that helps people. Experienced with full lifecycle software development including requirements capture, prototyping, proof of concept, design, implementation, testing, releasing and operation.

Work Experience

Engineering Manager

ThreeSides

Apr 2021 - Current

Currently leading an engineering, design and QA team of 13 people working on website, mobile app and API development.

- Working closely with Product and Design to plan and timeline features
- Coordinating cross-functional projects around design, operational readiness, and product features
- Grew the team into 11 engineers through hiring, training opportunities, team building and skill development.
- Running all agile ceremonies including planning, backlog maintenance, sprint review, and daily standup.
- Regular codebase contributions and PR reviews alongside leadership duties

Software Engineer

ThreeSides

Dec 2019 - Apr 2021

Threease - Reservation and Medical record management system for Osteopathic clinics in Japan

- Built the frontend architecture of the application using Vue.js, Vuex and Typescript
- Guided team members and together we developed the MVP version in 4 months

Kokka Shikaku Study - Spaced Repetition App for students studying for Osteopathic licence exams and Exam management system for osteopathic license schools

- Co-worker and I worked on the mobile app using flutter which was deployed to both iOS and android
- Designed and developed the Exam management system using Vue.js and Rails
- Student study app have 5,000 downloads in the first year

Miscellaneous

- Architected and self hosted headless CMS on AWS for internal and external parties.

Internships

Android Developer

ITS Planners and Engineers

May 2018 - Jul 2018

- Worked on 4 different android apps in order to extend their services from the web to native mobile experiences.
- Implemented the Message feature where users can chat using MQTT protocol with EMQ broker for android.
- Worked with Google Maps API, Google Mobile Ads API, Google Analytics API and integrated them into the apps.

Education

B.Tech, Electrical and Electronics Engineering

Indian Institute of Technology, Bombay

2015 - 2019

High School

Sri Chaitanya

Jun 2013 - May 2015

- National Rank 946 in JEE Advanced 2015 (125K students) and 1080 in JEE Main 2015 (1.3M students)

Languages

Typescript | Dart | Ruby | SQL | Python

Technologies

Vue.js | Vuex | Flutter | React | Ruby on Rails | Node.js | PostgreSQL | AWS

Projects

Research

Oral Precancerous Detection

Jul 2018 - May 2019

- Implemented a deep learning model using Faster R-CNN method to detect and classify oral precancerous lesions using PyTorch library
- A new hybrid solution has been implemented to improve oral cancer detection accuracy which is a classifier on top of the semantic segmentation algorithm
- Developed an Android app to collect patients oral precancerous images which is used by a healthcare workers
- Deployed the deep learning model on the android app
- Using hybrid pipeline method, I got an F1 score of 76.6%

Automatic Colorization of Black & White images

Jul 2018 - Nov 2018

- Implemented a deep neural network model based on deep colorisation paper and trained it to colorise grayscale images using Keras and TensorFlow library.
- Trained the model on 200 images to get good results
- Surveyed 4 research papers on this topic during implementation