

SANDEEP PRASAD

FRONTEND ENGINEER

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EDUCATION

B.ENG, COMPUTER SCIENCE

Visvesvaraya Technological University, India

GEORGIA INSTITUTE OF TECHNOLOGY / ATLANTA, GA [EXPECTED MAY 2023]

MS, Human Computer Interaction (Specialization in Interactive Computing)

GRADUATE RESEARCH ASSISTANT / AUG 2021 TO PRESENT

- Designing and developing the web UI of the school's website using Drupal.
- Ensuring all department websites are up to date with the right information to help current students, alumni, as well as prospective students.

WORK EXPERIENCE

AQR CAPITAL MANAGEMENT / BANGALORE, INDIA

SENIOR FRONTEND ENGINEER / SEP 2019 - AUG 2021

- Developed components using Angular and React for the organization's design system cutting down development time of application UIs by 50% as well as establishing consistent UI development guidelines.
- Designed and developed a web based application using Angular for stock traders to review and correct AI based predictions for trades.
- Developed multiple internet facing pages for the organization's website.
- Migrated an application from ASP.net to Angular (Typescript), along with setting up CI / CD pipeline on Jenkins.

GE HEALTHCARE / BANGALORE, INDIA

SENIOR FRONTEND DEVELOPER / APR 2018 - SEP 2019

- Developed a plug n play architecture to let SMEs from different modalities develop tools for service engineers using Angular and other web technologies.
- Developed a web application for orchestrating rules for preventive maintenance jobs resulting in a reduction of machine breakdown incidents by 25%.
- Conducted participatory design sessions involving multiple stakeholders, gathering prioritized requirements for future releases.
- Demonstrated leadership skills by managing 2 developers in the team ensuring strategic alignment to business objectives and on time delivery of tasks across multiple sprint teams.

FRONTEND DEVELOPER / JUL 2015 - APR 2018

- Developed a dynamic workflow based web app to optimize the workflow of service engineers letting users orchestrate workflows for different modalities reducing annual service costs by 15%.
- Developed an application for service engineers to optimize replacement parts ordering for healthcare devices reducing annual costs by \$4 million.
- Developed a web based solution using AngularJS to manage FDA audits for the QA team reducing time taken for audits by 25%. The solution was later used at multiple global sites.

SENIOR SOFTWARE ENGINEER / AUG 2014 - JUL 2015

- Conceptualized and developed a workflow engine within the UI platform of the team.
- Developed and consolidated web based widgets into a single web page which enabled service engineers to reduce their physical displays from 4 to 1.
- Developed rapid prototypes to mitigate technical risks early in the development lifecycle.

SOFTWARE ENGINEER / JUN 2012 - AUG 2014

- Rotated between 3 teams and participated in leadership trainings to develop breadth understanding of the organization.

SKILLS

PROGRAMMING

JavaScript / TypeScript
HTML
CSS / SASS
Java

FRAMEWORKS

React / NextJS
Angular
VueJS / NuxtJS

DESIGN SYSTEMS

Bootstrap
Material Design
TailwindCSS
Mantine UI
Chakra UI

LIBRARIES

Redux
RxJS / NgRx
WebSockets / SocketIO

DEVOPS

Webpack / Rollup
Jenkins
Github / Github Actions
Docker

PLATFORMS

NodeJS / NPM
Firebase
Google Cloud
AWS

UXD / UXR

Figma / FigJam
Typography
Personas
Journey Maps
Empathy Maps
Ecosystem Map
Affinity Mapping
Business Model Canvas