Mughilarasu Muthuvel

No: 41/A, Selvam Nagar 2nd Main Road, Chennai - 600110.

+91 9094682209 | mughilarasu15@gmail.com

https://mughilarasu.github.io/my-portfolio/

SUMMARY

Experienced Frontend Developer with over **5 years** in the IT industry creating **mobile and web apps using JavaScript, and I know my way around technologies like React.js, React Native, Redux, Material UI, Highcharts, and more.**

SKILLS

- Primary Skills: **React JS, React Native, Redux, Redux ToolKit, Material UI, Highcharts, Webpack, Jest, Vite, HTML, CSS, JavaScript.**
- Secondary Skills (Basic hands-on): **Node JS, Django, Python, AWS (Amplify, AWS IoT), MongoDB, DynamoDB, PostgreSQL, SQLite, Expo.**
- Tools: **Chrome/React/Redux Dev Tools, VS Code, PyCharm, Xcode, Android Studio, pgAdmin, GitHub/Bitbucket, Figma, Inkscape**

LINKS

- https://github.com/mughilarasu
- https://www.linkedin.com/in/mughilarasu-m-828658154/
- https://drive.google.com/drive/folders/1Ejc2WMNp-eSb0kF8enBnZbRGrSdUxoFm

EDUCATION

- **Bachelor of Engineering, Computer Science | 7.71 CGPA**
  Jaya Engineering College, Thiruninravur.
  2014 – 2018

- **HSC | 82.33 %**
  Jaigopal Garodia Matriculation Higher Secondary School, Chennai.
  2012 – 2014

- **SSLC | *84.6 %***
  Jaigopal Garodia Matriculation Higher Secondary School, Chennai.
  2011 – 2012

ACHIEVEMENTS

- Megamic Electronics & Fenice Energy: Led frontend and mobile app development, **achieving a cost saving of 10% and reducing development time by 25%,** acknowledged **as a crucial team player contributing significantly to company success.**
- Saama Technologies: **Executed 10 complex POCs within a specified timeframe, earning two Shining Star awards in May and December 2023 for outstanding implementations.**

WORK EXPERIENCE

Saama Technologies | Senior Software Engineer
Mar 2023 - Present

- Spearheaded proof of concept tasks, showcasing innovation and ensuring seamless integration of cutting-edge solutions into the project's framework.
- **Conducted comprehensive code reviews, ensuring the highest standards of quality, efficiency, and adherence to best practices in R&D engineering.**
- Implemented user stories with precision, translating complex requirements into robust and user-friendly features to enhance the overall project functionality.
- Identified root causes of system bugs through thorough code reviews and testing procedures, resolving issues within 24 hours, ensuring seamless user experience and boosting customer satisfaction ratings by 15%.
- **Elevated application performance by optimizing components, resulting in a remarkable 25% reduction in load time.**
- **Achieved 100% responsiveness for the application, enhancing user experience across various devices and platforms.**
- **Collaborated intensively on R&D endeavors within the project's scope, driving continuous improvement and innovation in software engineering practices.**
- Mentored team members, fostering a collaborative and high-performance culture within the R&D engineering team.

SunEdison/Fenice Energy | Software Developer
Nov 2021 - Mar 2023

- **Led the development of Fenice Energy One,** a Solar Asset Management platform, covering the full installation lifecycle.
- Pioneered **innovative solutions for product enhancement, contributing to vision planning and feature development.**
- **Conducted code reviews, addressed bugs, and optimized performance for Fenice Energy One.**
- **Oversaw projects transitioned from Megamic Electronics, ensuring 100% seamless integration.**

Megamic Electronics Pvt Ltd | Associate Software Developer
Dec 2018 - Oct 2021

- Implemented Dust monitoring system with **React JS, Redux, Material UI, and Highcharts.**
- Expanded basic hands on to backend with **Django, Postgres SQL, and API development, exploring AWS services.**
- **Promoted to Software Developer specializing in React Native (CLI/Expo) for iOS and Android mobile app development.**
- **Led frontend development for SolarNXT** and its web/mobile sub-products at https://solarnxt.com/.
- Innovatively integrated **serial port communication (Bluetooth/USB) with Raspberry Pi and RMU in the React Native app.**

PROJECTS

BRAIN/SIGMA | Saama Technologies

- Saama Technologies operates as a clinical data and analytics company. BRAIN/SIGMA, a transformative project by Saama and Pfizer in clinical data and analytics.

ONE | SunEdison/Fenice Energy

- ONE is Solar asset management cloud based Configuring and Monitoring Portal

SolarNxT - Distributed Solar Assets Monitoring Portal | Megamic Electronics Pvt Ltd

- SolarNxt is Megamic's cloud based Data Science Saas platform meant for managing and improving generation from Distributed Energy Resources such as Utility scale Solar power plants, Residential / C&I Solar rooftops, Solar Water Pumps, Solar Home Lighting Systems and Solar Street Lights.

  Product Overview:

  Web:

- SolarNxt - Rooftops Monitoring Portal
- SolarNxt - Pumps Monitoring Portal
- SolarNxt - Lights Monitoring Portal
- SolarNxt - Configuration Portal
- SolarNxt - Local Scada
- RMU Dongle Testing Portal
- RMU Monitoring Portal

  Mobile:

- Megamic's SSL Onboarding App (Android)
- SolarNxt Onboarding App for Megamic RMUs (Android)
- SolarNxt Suite (Android)

iTAPS - Configuration and Monitoring Portal | Megamic Electronics Pvt Ltd

- iTAPS is Tata Power Solar's cloud based Configuring and Monitoring Portal for Solar rooftops, Solar Water Pumps, Solar Home Lighting Systems and Solar Street Lights

  Product Overview:

  Web:

- iTAPS - Monitoring Portal
- iTAPS - Configuration Portal

  Mobile:

- iTAPS - Monitoring App (Android & IOS)

KPS - Manufacturing scheduler | KPS MACHINE & TOOL LTD, Canada (Personal Project)

- KPS - Manufacturing scheduler is a cloud based scheduler to schedule,track,ship orders

---

- Work Location :   **Coimbatore**   Yours Sincerely,
- Current Location :   **Coimbatore**
- Preferred Location: **Chennai, Bangalore**
- Native: **Chennai**   (Mughilarasu Muthuvel)