Narendran A I

MERN Full Stack Developer | Blockchain Engineer | 4.3 yrs Experience

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# Work Experience

## Packaged App Development Senior Analyst

Accenture | Chennai, Tamil Nadu (June 2024 – Present)

* Built and optimized **ReactJS front-end components and pages** for improved performance and user experience.
* Developed and integrated **GraphQL and REST APIs** for a leading global tech company.
* Worked in an **Agile environment**, consistently delivering high-quality features within deadlines.
* Collaborated with cross-functional teams to ensure **seamless deployments and minimal defects**.

## Senior Software Engineer

LTIMindtree | Chennai, Tamil Nadu (Oct 2020 – June 2024)

* Led development of an **anomaly monitoring** using **React JS, Express.js, and AWS**.
* Developed a **demand forecast tool and ticketing portal** using **Angular**, enhancing issue resolution workflows and user experience.
* Engaged in **direct client interactions** **and requirement gathering**, translating business needs into technical solutions.

# Education

Coimbatore Institute of Technology | Coimbatore | 2016-2020

Bachelor’s in “Electrical and Electronics Engineering” – **8.9/10** CGPA

# Projects

## Digital Brief

Full Stack Development | MERN Stack, Azure DevOps | June 2024 - Current

* Developed **reusable React components and hooks**, reducing development time for new pages by **40%** measured by time series comparison of UI development story log hours in SCRUM boards.
* Implemented **Redux for global state management**, ensuring efficient data handling across the application.
* Identified and isolated **reusable components**, improving development efficiency and code maintainability.
* Created **Azure DevOps Extension SDK-based components** to meet custom marketing requirements.
* Integrated CI/CD with **Azure Pipelines**, reducing deployment times from **30 minutes to under 10 minutes**.
* Developed robust APIs in both **REST and GraphQL** architecture to provide CRUD operations in **MongoDB, Cosmos DB and MySQL DB** with **99.9%** uptime.

## NGIP CloudFront

Full Stack Development | MERN Stack | Oct 2020 – June 2024

* Developed a **React-based frontend** with Tailwind CSS, Daisy UI and Recharts, enabling real-time monitoring of **1M+ data points per hour** for anomaly detection and reporting.
* Enabled **preventive maintenance automation**, converting **1,148 unplanned maintenance tickets** (487 in 2021, 302 in 2022, 359 in 2023) into scheduled service requests, reducing downtime and improving system reliability.
* Assisted in **Node.js backend development**, enhancing data processing and ensuring seamless integration with anomaly detection systems.

## Demand Forecast Accuracy System

Full Stack Development | Angular | May 2023 – Aug 2023

* Developed the user management section of the DFA site using **Angular 16, Material UI Bootstrap**, providing sleek and modern user management.
* Designed a **fully responsive UI** for a ticketing portal and integrated with Zendesk, enabling a **1:20 license-sharing model**, significantly reducing operational costs.
* Optimized business-specific ticketing features, leading to **100% user migration** from Zendesk to our portal.

# Publications

## Building a Robust Express.js Backend with TypeScript: A Step-by-Step Guide

* **Publisher:** Medium
* **Link:** [Read Here](https://medium.com/@narenkrithick/building-a-robust-express-js-backend-with-typescript-a-step-by-step-guide-84cb57d6e5bd)
* **Description:** A comprehensive guide on setting up a scalable Express.js backend with TypeScript, covering best practices in architecture, folder structure, and deployment strategies.

# Skills

* **Programming Languages:** JavaScript, TypeScript, Python
* **Frontend Frameworks & Libraries:** React.js, Angular, Tailwind CSS, Daisy UI
* **Backend & API Development:** Node.js, Express.js, RESTful APIs, GraphQL
* **Databases:** MongoDB, SQL Server, Cosmos DB, MySQL
* **Cloud & DevOps:** Azure DevOps (Extensions, Pipelines), AWS (EC2, S3, Lambda)