Mohammed Ashfaq Nisar

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Education:

Bachelors in Computer Science & Engineering: 7.74 / 10 CGPA   2016 - 2020
Vidya Jyothi Institute of Technology   Hyderabad, India
Relevant Courses: Web Development, Computer Networking, Cloud Computing, Internet of things, Object Oriented Analysis & Design, Java Programming & Database Management Systems.

Experience:

Ezerka Technology Solutions: Technical Lead & Co-founder   Sep 2021 – Till Date
- Led the development team in building projects from start to finish at the startup, which consisted of 5-8 employees.
- Ensured collaboration between the team and clients by coordinating responses throughout the product development cycle and conducted stand-up calls and ensured timely delivery of required work before deadlines.
- Developed an Order and Inventory system using MERN stack, featuring Orders, IAM, automated alerts, payment integrations, and invoice generation in the frontend.
- Optimized the project, resulting in a significant reduction of React build pipeline times from 5 minutes to just 1 minute, an 80% improvement.
- Played an integral role in onboarding, training, and mentoring 5 interns on the MERN stack, Git, and Google Cloud Platform.

Cognizant Technology Solutions: Programmer Analyst Trainee   Dec 2020 – Aug 2021
- Designed & Developed 20+ dynamic email templates for different types of flows based on the data received for the Verizon communications department.
- Collaborated with cross-functional teams to ensure successful deployment and integration of the developed email templates and microservices.
- Conducted a workshop for colleagues on developing microservices using Spring Boot with a custom frontend.
- Participated in a comprehensive Full Stack training program led by industry experts.

Rubicon Red: Software Developer Intern   Dec 2019 – April 2020
- Built the React Dashboard from scratch, utilizing the mock-ups provided by the client as a reference, to deliver a polished end product that met their specific requirements and utilizing libraries such as Auth0, Redux and Material UI.
- Optimized the code to significantly reduce the build's size and created multiple reusable custom components for future use.
- Provided multiple React JS workshops and KT sessions for the team to increase knowledge and expertise on the project.

Projects:

Ezerka Commerce: React │ Mongo │ Express │ Graphql
- Ezerka Commerce is an order management system designed to streamline operations and increase efficiency. The platform allows users to manage customers, vendors, and products in one centralized location, making it easier to track orders and inventory levels of the products.
- Designed and implemented a user-friendly frontend using React, with multiple custom components for enhanced functionality. Additionally, created various PDF templates using React PDF, enabling on-the-go creation of PDF documents within the browser.
- Migrated the Express API on JS to Graphql API on typescript, leveraging the typegoose and type-graphql libraries for a more efficient and streamlined development process.
- Consolidated multiple projects into a monorepo using Turbo, reducing build times by up to 50% by caching, parallel builds and improving code sharing and dependency management across projects.
- Implemented integration with payment gateway, mail service to facilitate sending of dynamic emails to users, and logging of requests and error events to Sentry for improved debugging and error tracking.

ESOCR: React │ Express │ Firebase │ Nanonets │ Google Cloud Storage
- ESOCR was a COTS OCR solution designed to extract information from both handwritten and system-generated patient application forms and insert it into the system, in-order to reduce human error and time needed for manual data entry.
- Created a script to automate the process of generating patient application forms dataset with various handwritten fonts, and manually annotated over 150 images for training the OCR model.
- Developed a frontend app that enabled users to upload scanned patient forms to the API for processing. The resulting data was provided in a form, allowing users to make any necessary updates.
- Wrote the detailed documentation outlining the technical specifications, features, and implementation details of the ESOCR app, API and dataset generator.

Adani Ports Invoice Reconciliation System: React │ Express │ Firebase │ Razorpay
- APIRS is a system designed to streamline the invoicing and payment process for both customers and the Adani Ports billing team. Its goal is to ensure accurate and timely payments while reducing the time and effort required to manage invoices and payments.
- Implemented multiple webhooks within the API to handle all payment updates made by customers via Razorpay.

- Developed an admin dashboard using ReactJS, allowing the Adani Ports billing team to efficiently manage customers and for viewing all payments as well as overdue, pending, partially paid, and paid invoices and wallets.
- Built a system wherein a unique temporary bank account is automatically created for every invoice. This enables customers to make payments via bank transfer instead of other payment methods. Based on the payments made to the respective temporary bank account, the corresponding invoice is automatically cleared/updated in the system with the webhooks developed.

Energy Information & Monitoring System: React | IOT | Firebase | Pub-Sub
- Enimo is an energy information and monitoring system designed to help users monitor the energy consumption of their appliances. The system provides real-time updates on the energy consumed by each appliance and displays the data in easy-to-read charts
- Used a pub-sub model instead of an API to receive data from Firebase by leveraging the React Redux Firebase library, reducing the number of read requests made to the database.

College ERP: React | Firebase | Firebase Functions | Typescript
- Designed and Implemented an ERP (Enterprise Resource Planning) system that maintains detailed information on over 1,000 students, faculty, and staff. The system includes an arrangement feature that facilitates scheduling and management of student examinations.
- Utilized Firebase Functions to process all student data and generate exam schedules that include specific seating arrangements for each student. This allowed for efficient scheduling and management of exams, reducing the workload on staff and minimizing the potential for errors.

Skillset:
Languages & Frameworks: React JS, JavaScript, HTML, CSS.
Libraries: Redux Toolkit, Prettier, ESLINT, MUI Library, Tailwind CSS, React Router, React PDF, React Hook Form, React Query.
API Integrations: Rest API, Graphql API, Auth0 Integration, Salesforce Auth, Payment Integrations.
Tools: Git, Vercel, Netlify, Heroku, Sentry, Auth0, JIRA
Comfortable Working With: Java, Typescript, Next JS, Node JS, Mongo DB, Firebase, Building Express API's, Google Cloud, Docker & Photoshop.

Achievements & Honor's:
- Won the first prize for the APIRS in Smart India Hackathon 2020.
- One of the Google Developer Student Club leads from India.
- Built a complex OCR application in under 3 weeks for the Exact Sciences Hackathon.
- Won the Best UI/UX Design Award in the IBM Hack 2019.
- Was a finalist in the Smart India Hackathon 2019.
- Published a research paper on the Energy Management System.
- Won the NASA Space Apps Challenge 2018 for building a Mars Habitat game.
- Won the Social Media Champ in the Telangana Smart City Hackathon 2017.

Part of Communities:
Google Developer Student Clubs • Developer Student Society • VJIT HITA

Field of interests:
Learning New Stuff • Conducting Workshops • Swimming • Working on Side Projects