RAYAN FERNANDES

Full Stack Developer

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Skills

React.js, Next.js, Node.js, Python, Strapi, DotNET, PM2, Docker, Oracle Cloud, edge.network, Google Cloud, Firebase, Appwrite, and Cloudflare.

Soft Skills

- Observation
- Decision making
- Communication
- Multi-tasking
- Critical Thinking

About Me

Curious about building applications and bringing ideas to life. Having 3+ years of industry experience in developing web applications using React, Next.js, and Node.js Technologies. Proficient in UI frameworks, CSS design systems, and maintainable code practices. Experience with diverse servers, IDEs, and version control tools (GitHub, GitLab, Bitbucket). Emphasizing writing maintainable code using Sonarlint, ESLint, and Husky, through code reviews and sanity tests.

Technical Expertise

Designing UI mockups, Proficient in React, Discovering low-cost alternatives, Complete end-to-end application development
Web Services: Express, Socket.io, Flask, FastAPI
Database: MySQL, MongoDB, Supabase, Firebase
IDE & Tools: VS Code, Visual Studio, ChatGPT, Codeium.AI
Certifications: Google Cloud Architect

Education

Canara Engineering College	*Bachelor's Degree in Electronics and Communications Engineering*	2016 - 2020
Padua PU College, Nantoor	*Pre University*	2014 - 2016

Professional Experience

Niveus Solutions | Cloud Associate, Sep 2022 - Present
Project: ICICI CSP & Products
Customer service portal and Products for ICICI.
Technologies: React, Nginx, bootstrap, Jenkins, docker, radix UI, webpack, zustand, GitLab
Tools: VS Code, Figma, React DevTools
Responsibilities:

- Developed and Delivered multiple finished products with minimal defects like Foreign currency delivery, Minor to major conversion, Imobile services, 3-in-1 account conversion, pebble, data governance, data quality, rekyc, Mortgage dashboard etc and also handled client calls.
- Configured webpack and nginx for Flutterflow integration and provided guidance to the team with queries and API and deployment issues.
- Created and maintained documentation and troubleshooting guides.
- Guided my peers and juniors, taught them good coding practices with code review comments.
- Got the team together and worked on a plan to address SonarQube bugs and vulnerabilities reported, cleared all the issues.
- Improved the performance of CSR by implementing lazy loading in React, code splitting, removing unwanted libraries, testing on the dev pipeline, caching, and increasing the Page speed score from 35 to 80.
- Reviewed merge requests, created branch protection rules on GitLab.
- Planned a micro-frontend architecture using webpack module federation, facilitating the extraction of all modules into separate repositories. This approach enabled independent module deployability, allowing for agile development and deployment processes. By decoupling modules and repositories, we achieved greater flexibility and scalability in our frontend architecture.

- Established a mock backend environment to support continuous development processes. This enabled seamless testing and iteration without reliance on live backend services. The mock backend facilitated faster development cycles and enhanced overall productivity.
- Encouraged the team to explore popular libraries and tools like Zustand, React Hook Forms, and Tailwind for development purposes. This proactive approach aimed to leverage the capabilities of these tools to streamline development workflows and enhance productivity. By embracing these technologies, we sought to stay current with industry trends and optimize our development processes.
- Enabled Cross application interaction with FlutterFlow applicaton on the same domain to handover the context from sessionStorage and URL params.
- Researched Docker vulnerabilities fixes and delivered resolution.
- Provided RCA for downtimes and issue tickets along with quick bug fixes and reliable & maintainable solutions.

Infosys - Systems Engineer | React Developer, May 2021 - Sep 2022
Project: Runway Restriction editor
Global Web application for ATCs to plan routes for aircraft based on runway restrictions.
Technologies: React, Node.js, Express, Git, JavaScript, redux-toolkit, RTK-query, react-tables
Tools: VS Code, Bitbucket, Rally, Jenkins
Responsibilities:
- Designed and developed the frontend UI from scratch, including CRUD features and user
authentication with roles.
- Implemented search, filter, and pagination functionalities, along with multiple tables for data comparison.
Conducted manual testing to identify UI defects, provided fixes and workarounds, and performed unit testing using the Jest and React Testing Libraries.

Project: Airport Fleet Management & Analytics Dashboard
A central hub for decision-makers to monitor, analyze, and optimize fleet operations in a complex airport environment.
Technologies: React, Node.js, Express, Git, JavaScript, redux-toolkit, RTK-query, AG Grid.
Tools: VS Code, Github, Azure, Jenkins
Responsibilities:
- Display realtime table of records and metrics of all the airports and their current status.
Implemented Server-side rendered table to handle millions of records and query only the records visible to the user in the table viewport, which provided a drastic performance boost up to 80% faster dashboard loading times.
- Created interactable charts and graphs to illustrate the time series data and analytics metrics.

Nexus.io | Full Stack Developer Dec 2020 - May 2021
Project: Nexus Blockchain Explorer V2
Web application to explore the Nexus.io blockchain.
Technologies: Next.js, React, Python, react-query, react-table, SASS, pm2, Appwrite
Tools: VS Code, Figma, Trello, GitHub Projects
Responsibilities:
- Designed Figma layout for the new Explorer and implemented React components with SASS stylesheets, ensuring cohesive UI design.
- Enhanced data visualization by 20% using Apexcharts, while reducing API hits by 30% with a Python Flask caching server.
- Improved project quality by routing API calls through HTTPS proxy middleware, implementing persistent user settings, and configuring CI/CD pipelines in GitHub for automated checks and maintenance.

Project: Nexus Alerts Bot (Telegram)
Sends alerts about whale transactions on the Nexus blockchain.
Technologies: Python, Linux
Tools: VS Code, Pyrogram Library
Responsibilities:
- Developed a Telegram bot featuring separate thread scanning for new blocks, implemented polling logic for the latest block, and wrote a parser and extractor logic to retrieve key transaction details such as amount, transaction ID, sender, and recipient and provide real-time alert notifications to subscribers in the alert channel.