Anoop PK
Full-Stack Engineer

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TECHNICAL SKILLS

Languages: JavaScript, TypeScript, HTML/CSS, SQL (Postgres), Java, Python, C/C++
Frameworks/Libraries: React, NodeJS, NestJS, NextJS, Express, Material-UI, Redux, MongoDB, MySQL
Tools: Git, Docker, Amazon Web Services, GraphQL, REST,Nginx

EXPERIENCE

Software Engineer I
July 2023 – Present

Ellucian Higher Education Systems — *Bangalore, IN*

- Elevated unit test coverage from 40% to 90% through code modularization and comprehensive testing scenarios.
- Mitigated latency by over 50% through the implementation of debouncing and caching frequent API calls in ReactJS.
- Developed 3+ backend systems using Microservice architecture with GraphQL and NestJS.
- Streamlined testing processes by designing and implementing utility functions that effectively mocked GraphQL and REST API requests; eliminated 95% of irrelevant terminal warnings, enhancing developer productivity by 20 hours monthly.
- Achieved a 50% reduction in latency by implementing Redis caching for infrequently changing items and creating a reusable NestJS package.
- Strengthened security through implementing role-based authentication with NestJS decorators.
- Automated UI test cases using Playwright, enhancing test reliability and reducing manual testing efforts by 40%.

FullStack Developer Intern
July 2021 – Jan. 2022

Unokard(fomerly Vkonex AI) — *Bangalore, IN*

- Build a interview platform which allows the users to attend a predefined set of questions with time limit using NodeJS.
- Reduced the analyzis time 20% by integrating frontend with machine learning apis to shortlist the candidates.
- Leveraged EC2 instances for deploying, S3 for storage, RDS for database management

PROJECTS

Convert.wasm | *React, NextJS, WebAssembly, ffmpeg* | *Github*

- Developed an online file converter using WebAssembly for client-side file conversion, ensuring data privacy.
- Enabled users to convert images, audio, and video files into various formats, including video-to-audio conversion.
- Utilized the FFmpeg WebAssembly library for efficient and secure file processing.
- https://convert-wasm.vercel.app/

KIF Products | *React, Express, MongoDB, MySQL, AWS*

- Build a company listing platform in ReactJS , Express where each user can search for a product or company and see related products.
- Helps the customer to choose the right product and save around 30% of the cost while constructing a building by purchasing the product from KIF.
- Developed a unified website for Kanjikode Industries Forum to consolidate all member companies under a single platform.
- Used AWS Capabilities like RDS , S3 , EC2 for reliable and scalable platform
- https://www.kifproducts.com/

Dyuksha'23 | *React, Firebase, FramerMotion, Flutter* | *Github*

- Build a web application using React and mobile application using Flutter for a national level tech event organised by NSS College of Engineering, Palakkad.
- Reduced the time for resolving queries by implementing live chat functionality using Firebase.
- Increased the registration and participation of events by 50%.
- https://d23web.vercel.app/

EDUCATION

NSS College of Engineering
Palakkad, IN

Bachelor of Technology in Computer Science (CGPA : 8.98/10) — *Aug. 2019 – July 2023*