Ananthu V

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github.com/ananthuvng

Technologies

Languages: JavaScript, TypeScript, HTML/CSS, SQL (Postgres), Java, Python, C/C++, Dart

Technologies: React, NodeJS, NestJS, NextJS, Material-UI, Redux, MySQL

Tools: Git, Docker, Amazon Web Services, GraphQL, REST, Figma

Education

NSS College of Engineering July 2019 – July 2023

BTech in Computer Science Engineering - CGPA: 8.9/10.0

Experience

Software Engineer 1, Ellucian Higher Education Systems – Remote July 2023 – Present

- Designed and developed scalable 3+ backend services using Nest.js, TypeScript, and PostgreSQL, supporting critical product features and integrations.
- Developed a reusable React component for creating dynamic, configurable forms by passing JSON-based configurations, reducing development time and ensuring consistency across multiple pages.
- Achieved reduction in latency by implementing Redis caching for infrequently changing items and creating a reusable NestJS package. Further converted the same to Valkey reducing the cost
- Enhanced application reliability by implementing robust error handling, logging mechanisms, and increasing front-end test coverage to over 85
- Automated UI test cases using Playwright, enhancing test reliability and reducing manual testing efforts.

Android App Developer Intern, CISCO Thingqbator July 2021 - Aug 2021

- Developed an Android app for a newly emerging start-up part of a hackathon under Cisco Thingqbator which targets travellers around the world.
- Development was focused on Flutter stack and Firebase as backend.

Publications

EMG Interface for SCI Patients Nov 2023

Alphi Kurian Shajan, ***Ananthu V***, Bageeradhan K H, Jayaraj J
10.1109/ICCCNT56998.2023.10308150

Projects

Electromyographic Interface For SCI Patients github.com/SAHAYOG13

- I worked on a project to develop a wheelchair for SCI patients who cannot move their hands, allowing them to control it through hand gestures. We used machine learning techniques to accurately classify the hand gestures, despite variations in EMG data between patients.
- Tools Used: Python, ML

SOLE - Social Video App github.com/Souls

- Developed a video conferencing app with Flutter, Agora, and Firebase that connects people with similar interests from around the world.
- Tools Used: Flutter, Agora, Firebase