

Kshitiz Gupta

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Skills

Angular, ReactJs, HTML5, CSS, Nodejs, JavaScript, TypeScript, Java, PostgreSQL, Playwright, Git, GraphQL, REST API.

Work Experience

Keysight Technologies, Gurgaon

NOV 2019 – PRESENT: R&D ENGINEER 3

- Developed complete front-end applications for TSM and Mobius.
- Lead a team of 5 engineers to develop web applications and ensured timely delivery of product.
- Implemented several features as a full-stack developer.
- Implemented important features like – integrating MQTT, toggling application features based on user permission, common modules etc.
- Streamlined and optimized organization-wide plugin development by establishing Alloy, a centralized UI Library containing 50+ reusable components, resulting in a 30% increase in development efficiency and enhanced user experience.
- Integrated tools like Prometheus, Grafana etc., to ensure smooth operation of applications while deployed on the cloud.
- Reduced frontend initial bundle size by 40%, using concepts of lazy loading and tree-shaking.
- Created web-based installer for offline customers, ensuring delivery on a short deadline.
- Added E2E and API tests for applications using Playwright.

DEC 2018 – NOV 2019: R&D ENGINEER 1 (CONTRACTOR)

- Orchestrated the design and implementation of Front-End architecture for PathWave Cloud Platform, resulting in a seamless user experience and increased customer engagement by 40%.
- Created REST APIs for performing CRUD operations across PathWave using Node & Nest JS.
- Refactored code to improve the performance of several slow APIs.
- Added pagination and data caching in front-end applications.

JUNE 2018 – DEC 2018: INTERN TECH 1

- Gained hands-on experience on technologies like Angular, Nodejs etc.
- Designed and styled several UI components for the front-end applications.
- Resolved critical software bugs by conducting thorough code review and implementing targeted fixes, resulting in a 50% decrease in application crashes and improved user satisfaction.
- Added unit tests and improved code coverage for both UI and Backend applications with 60% code coverage.

Projects

- **Test Station Manager (TSM):** TSM is a cloud-based test system/instrument management application. Users can connect their systems to cloud, monitor their status (online, offline etc.) and run test programs or updates on their systems. Provides live logs for events occurring on system so that users can monitor progress for updates.
- **Cloud Drive:** This is a virtual file system for storing user files. These files can be anything, such as instrument details, instrument settings, tests, test results, etc. User can store, fetch, upload and create the artifacts using GUI with support for versioning.
- **User Administration:** This is an administration panel for managing access controls to users for different test systems and artifacts. Users can create new control policies and assign those policies to their team members based on the level of access required.

Training

NOVEMBER 2023 - DECEMBER 2023

Udemy- Java Development

- Studied core Java concepts like Classes and Objects, OOPS, Collections and File Handling.
- Studied about Lambda Expressions, Streams, and Multithreading.
- Successfully completed the Course projects and assignments.

NOVEMBER 2022 - DECEMBER 2022

Udemy- ReactJs Development

- Studied core React concepts like class and function-based components, state, props, and data binding.
- Studied about React Hooks, Context and Redux.
- Successfully completed the Course projects and assignments.
- Studied the fundamentals of NextJs.

DECEMBER 2020 - FEBRUARY 2021

Udemy- Angular Development

- Studied core Angular concepts like components, directives, services, forms, and routing.
- Successfully completed the Course projects and assignments.
- Studied ngrx-store and successfully integrated it in the course project.

Education

- Scored 73.7% in B. Tech. (CSE) from Maharaja Agrasen Institute of Technology (IP University) in the year 2018.
- Scored 91.8% in Senior Secondary from Sachdeva Public School (CBSE Board) in the year 2014.
- Scored 10 CGPA in Secondary from Sachdeva Public School (CBSE Board) in the year 2012.