RAVI SHANKER SHUKLA

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Technical Skills

Frontend: React, Angular, Next.js, TypeScript, JavaScript, Tailwind CSS, HTML/CSS, Redux, Webpack, Bootstrap.
Backend: Node.js, NestJS, Express.js, SQL, PostgreSQL, MongoDB, Sequelize, JWT.
Developer Tools: Git, AWS, Docker, Postman, Jenkins, Linux, Nginx.
Other Skills: RESTful APIs, CI/CD, Cross-Browser Compatibility, Agile Development.

Experience (2 years)

Intelegencia   May, 2023 − Present
Software Engineer   *Noida*

- QuestIQ
  * Developed a reusable **Plotly.js graph component** in **Angular** for dynamic data visualization, Centralized logic to improve performance, reduce redundancy, and cut load time by **30%**.
  * Implemented **in-memory state caching** to reduce redundant API calls by **40%**, enhancing application performance and user experience.
  * Deployed the project on **AWS EC2** with **Nginx**, streamlining infrastructure setup and reducing downtime by **25%** via **automated CI/CD using Jenkins**.
  * Boosted unit test coverage by **30%** using **Jest**, ensuring robust functionality and minimizing production defects.
  * Enhanced security and performance by implementing **Guards for token handling** and an **HTTP Interceptor for global API requests**, resulting in secure and efficient authentication.
- FFAT
  * Designed and optimized **NestJS APIs**, reducing response time by **30%** and improving backend performance.
  * Used **Redux** for **state management** and implemented **lazy loading** in a **Next.js** application, reducing initial load time by **40%** and enhancing overall user experience.
  * Implemented **encryption for sensitive data** in the database, strengthening data security and ensuring compliance with industry standards.
  * Built a **role-based access control system** on both frontend and backend, enabling dynamic menu rendering and improving security and user segmentation.
  * Developed and integrated an **OAuth 2.0 authentication system** to ensure secure and scalable user authentication across the application.
  * Developed a **Python API** using **OpenPyXL** to extract structured data from Excel and generate letters, compressing outputs into downloadable **ZIP files**.
- AMS
  * Designed and optimized reusable **UI components**, accelerating feature development and maintaining consistent design across applications.
  * Developed and maintained an **Angular Nx monorepo**, streamlining application structure and enabling modular, scalable development across multiple projects.
  * Documented **Nx workspace setup** and project structure, reducing onboarding time for new developers and improving project setup consistency.
  * Achieved **60%** code coverage using Jest, reducing production bugs.
  * Collaborated in an **Agile development environment**, actively participating in sprint planning, story estimation, and daily standups to align development with business goals.

Jalan Technologies   Nov, 2022 − Feb, 2023
Software Intern   *Remote*

- Acquired hands-on experience with **JavaScript**, **Node.js**, and **React** through comprehensive training.
- Built a **beverage ordering application** to demonstrate the practical application of modern web development techniques.

Projects

E-COMMERCE DASHBORD | [GitHub](#) | *React, Node.js, Express.js, MongoDB, JWT*   Sep, 2022 − Oct, 2022

- Developed an **E-Commerce dashboard** with **authentication and authorization**, allowing only registered users to add and update product details securely.
- Gained hands-on experience with **Node.js**, created **RESTful APIs**, implemented **JWT**-based authentication, and used **Mongoose** for interacting with the database.

Education

ABES Engineering College   July, 2019 − July, 2023
Bachelor's in Information Technology: 7.8/10   *Ghaziabad, Uttar Pradesh*