Vigneshwar Raj Rajagopalan

Dublin, Ireland | Eligibility to work in Ireland - **Stamp 1G**

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Experienced Software Engineer with nearly 3.5 years of Software development experience in **JavaScript, Python**, **Java**, and **ReactJS** with a strong foundation in modern front-end technologies (ReactJS) and Object-Oriented Programming (OOP). Skilled in single-page Applications, Micro frontends, and Design Patterns. Familiar with cloud container technology like Kubernetes, and Docker.

Professional Experience

Starbucks Athlone,   **Ireland**
Barista   **October,2023-present**

- Delivered exceptional customer service by addressing customer needs and customizing orders.
- Boosted sales on till by upselling food items and drink sizes by over 15% during weekends in the Christmas season and was awarded as the Best Barista for achieving the highest sales.
- Enhanced time management and multitasking skills by handling multiple complex orders simultaneously.

Tata Consultancy Services (TCS),   **Bengaluru, India**
System Engineer (Frontend developer)   **May 2021 - August 2023**

- Developed and optimized scalable and reusable code (user interfaces and web components) using **React JS** and **Redux** Toolkit, improving application performance by 30% and reducing development time by 25%.
- Collaborated closely with the backend team to perform API integration with front-end components.
- Created **Test automation cases** (Unit testing and Test automation) using **Jest** and **Cypress**, achieving 95% test coverage and reducing bugs by 40%.
- Created visually appealing and responsive UIs using HTML and Tailwind CSS by following UX/UI design principles.
- Developed interactive data visualizations using **Highcharts**, Apexcharts, and AG Grid, improving usability by 30%.
- Used **ReactContext** APIs to manage authentication processes and adhered to web security standards.
- Led the migration from class components to functional components with **React Hooks**, resulting in a 35% reduction in codebase size and easier maintainability.
- Utilized ServiceNow instances to track bugs and change requests and maintained 100% SLA from the development team.
- Collaborated with cross-functional teams, project managers, and product designers to provide the best solutions.
- Experienced working in an Agile team following SCRUM ceremonies, sprint planning, and retrospectives, and supported CI/CD (Continuous Integration and Continuous Delivery) pipelines and Git for optimized deployment workflows.

Technical Skills

Programming Languages: JavaScript (JS), TypeScript, Python, Java, SQL, HTML, CSS.
Frameworks/Libraries: ReactJS, Node.js Tailwind CSS.   **Cloud**: Azure (**AZ-900 certified**), AWS environment
Tools/Libraries: Babel, **Jest**, **Cypress**, Redux, NPM, Bootstrap, Git, GitHub Actions, Kubernetes, Docker, Jira, IDE. Debugger.
Methodologies: Agile, Kanban Methodology, software development lifecycle methodoologies.   **Databases:** MySQL.
Soft Skills: Systematic problem-solving approach, Ownership and drive, Ability to support team members.
Technical Skills: Strong aptitude for learning new technologies, Performance, and scalability considerations.

Education

Technological University of the Shannon, Athlone, Ireland   **May 2024**
Master of Science in Software Design with Artificial Intelligence   **GPA – 2.1**

- **Coursework**: Data Mining, Machine Learning, Neural Networks, Data Visualization, Object Oriented Programming & Programming for Machine Learning.
- **Course Project: Accessible Technology for Effective Communication of Impaired People (Generative AI):**
  - Developed an innovative communication system for visually and speech-impaired individuals using Python and libraries like Speech Recognition, PyAudio, and Librosa. Utilized sound patterns (e.g., claps, snaps) for device interaction, analyzing frequency ranges and time intervals for efficient recognition.

Amrita School of Engineering, India   **May 2021**
Bachelor's Degree (BE) in Mechanical Engineering   **GPA – 1.1**

Personal Project: Built multiple websites using ReactJS like a Food delivery app with live APIs, and a personal portfolio.