

**JERIN JOHN**  
**SENIOR REACTJS ENGINEER**

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#### **PROFESSIONAL SUMMARY**

Seasoned IT professional with over 14 years of comprehensive experience, including 5 years specialising in Microsoft technologies and a recent 8 years focus on UI Application development and maintenance. Proficient in JavaScript, ReactJS, NodeJS, CSS, and HTML5 with expertise in technologies like Python, .NET, C# and SQL SERVER in an agile development environment. Skilled in leveraging cloud platforms such as AWS and Heroku to deliver scalable solutions. Proven track record of collaborating across teams to drive project success and exceed client expectations.

#### **PROFESSIONAL EXPERIENCE**

##### **Naipunnya Welfare Services – Freelance Development & Professional Growth**

Senior UI Developer

11/2023 – Present

**Project Description:** Developed a comprehensive Attendance Management System to enable accurate and efficient attendance tracking for 2000+ employees. The system automates the process of recording, managing, and reporting employee attendance, reducing manual effort and minimising human errors.

**Duties:**

- Lead the development of an Attendance Management System using ReactJS, Redux, Redux Toolkit, ContextAPI, React Hooks, JavaScript, HTML, CSS, and SQL.
- Implemented user interfaces using Material UI, ensuring consistency with modern design principles and responsive layouts.
- Configured and optimised Webpack for efficient bundling, asset management, and faster build performance.
- Conducted debugging and performance testing using tools such as Chrome DevTools and React Profiler to optimise rendering and improve load times.
- Built robust unit and integration test suites using React Test Library, Jest, Mocha, and Enzyme, ensuring code quality and reducing regression issues.
- Enabled JWT-based authentication, role-based access control, and encrypted user data to ensure reliable and secure operations.
- Created RESTFUL APIs for seamless integration with third-party applications and services.
- Performed sanity testing after every build deployment to quickly validate core functionalities and ensure application stability.
- Worked closely with stakeholders to gather requirements and translate them into technical specifications.
- Completed continuous up-skilling through industry-recognised courses in modern web development, cloud technologies, and secure coding practices.
- Strengthened software engineering foundations by studying modern web development, secure coding practices, and core design principles, including **SOLID** for building maintainable, scalable applications.

##### **Tata Consultancy Services, India**

Senior ReactJS Developer

04/2022 - 09/2023

**Project Description:** Developed and maintained a real-time responsive web application for the flight operations team in the airline sector. This application facilitated the planning, optimisation, and rescheduling of flights online. Notably, it enabled airlines to efficiently reschedule delayed flights, minimising financial losses caused by misconnections for passengers.

**Duties:**

- Spearheaded the development of a critical real-time web application pivotal for the airline industry's flight operations team, streamlining flight planning, optimisation, and rescheduling processes.
- Integrated RESTful APIs with front-end components, ensuring data consistency and reliability.
- Partnered with product owners to enhance task and story backlog (BLR), optimising project efficiency, and addressing evolving requirements effectively.
- Implemented state management solutions using Redux and Context API, enhancing application performance and scalability.
- Utilised React Hooks for managing component state and lifecycle methods, resulting in cleaner and more efficient code.
- Demonstrated proactive leadership in identifying and resolving technical issues within the React codebase, fostering a culture of continuous improvement and collaboration within the team.
- Created and managed Agile Kanban boards, ensuring transparency and clear communication of project status and managed project tasks and tracked progress using Jira, ensuring timely delivery of features and bug fixes.
- Implemented CI/CD pipelines using CircleCI and Jenkins, automating deployment processes and reducing release times.
- Deployed applications on AWS EC2 and configured CloudFront for efficient content delivery. Utilised AWS S3 for static asset storage and management. Configured AWS Lambda and AWS cloud ecosystem to streamline development processes and enhance scalability.
- Utilised pure components to prevent unnecessary re-renders and improve component efficiency. Applied React.js optimisation techniques such as code splitting, memoisation, lazy loading, and virtualisation to enhance application performance.
- Developed custom job classes in C# to handle specific tasks and workflows.

**Cognizant, India**  
**Full Stack Developer**

**05/2016 - 04/2022**

**Project Description:** Led the development of innovative web applications within the insurance sector, contributing to enhanced customer engagement and operational efficiency. Additionally, played a key role in product development, standardising intellectual property, and optimising talent supply chain processes within the organisation.

**Duties:**

- Spearheaded a virtual coffee table discussion platform empowering insurance agents to engage customers efficiently. Implemented real-time features like collaborative form filling, video conferencing, and natural language processing, enhancing user interaction and decision-making speed.
- Managed the end-to-end development of a business data processing and auditing application, offering valuable insights to insurance clients. Oversaw planning, execution, and monitoring phases to ensure prompt error detection and resolution.
- Developed an intuitive online tool for organisations, simplifying project initiation with customizable architecture options. Reduced configuration efforts for users and developers, enhancing productivity.
- Implemented rigorous security measures, including SAST, DAST, and vulnerability scans, ensuring robust application security standards within the CI/CD pipelines.
- Integrated Keycloak for Single Sign-On (SSO) using JWT to streamline user authentication across multiple applications. Configured Keycloak for secure, centralised authentication, enhancing security and user management.
- Integrated AWS Lambda with other AWS services like API Gateway, WebSocket Gateway, DynamoDB, S3, SQS and SNS to create seamless, end-to-end serverless solutions.

- Utilised diverse communication protocols to facilitate seamless inter-service communication, enhancing system reliability.
- Designed and developed micro services using Node.js Express, Python Flask, and Spring Boot, Web API using C#, leveraging AWS for scalability. Managed databases with PLSQL and MongoDB, and constructed responsive user interfaces with React.js, Redux, and Hooks.
- Utilized GraphQL fragments and directives to optimise data fetching and reduce over-fetching of data. Integrated GraphQL APIs with ReactJS using Apollo Client in UI, enhancing the responsiveness and interactivity of web applications.
- Implemented Redis caching to improve data retrieval speed and reduce server load.
- Designed and implemented automation workflows in UiPath leveraging .NET libraries, custom activities, and Windows Workflow Foundation (WF) to streamline business operations.

**UST Global, India**

**Senior Software Developer**

**02/2015 - 05/2016**

**Project Description:** Contributed to the design and maintenance of healthcare applications, ensuring practicality and reliability in production environments.

**Duties:**

- Designed and supported healthcare applications, prioritising practicality, and reliability in production.
- Provided direct client assistance and advisory services, utilizing a variety of programs to address client needs effectively.
- Participated in knowledge transfer programs during organisational engineering projects, facilitating smooth ownership transfers.
- Demonstrated proficiency in ASP.NET and SQL Server, leveraging background to optimise application performance.
- Ensured SLAs were met and served as a key escalation point for resolving issues promptly and efficiently.

**QMIS Systems, India**

**Software Engineer**

**11/2013 - 02/2015**

**Project Description** Led application development initiatives for mortgage services, emphasizing thorough understanding of software design and architecture.

**Duties:**

- Orchestrated application development for mortgage services, adhering to software design principles and lifecycle best practices.
- Applied expertise in HTML5, RDLC reporting tool, Knockout-JS, ASP.NET, and SQL Server to build comprehensive mortgage review systems.
- Spearheaded data compilation, retrieval, comparison, storage, and analysis processes, enhancing efficiency and accuracy in mortgage services.
- Demonstrated proficiency in front-end development tools and technologies, ensuring seamless user experiences.
- Played a pivotal role in driving the software development lifecycle, from design to implementation, optimising application functionality and performance.

**Innate IT Solutions, Kochi, India**

**Software Developer**

**08/2011 - 11/2013**

**Project Description:** Developed a cutting-edge framework tailored for CMS websites, significantly reducing the time required for developers to design new websites. Additionally, pioneered advancements in the e-commerce domain, enhancing the efficiency and functionality of online shopping platforms.

**Duties:**

- Innovated and implemented a CMS website framework, streamlining website development processes and enhancing efficiency for developers.
- Applied expertise in E-Commerce, Payment, Attendance Payroll, and integration with E-mail and SMS gateways, enriching website functionalities and user experiences.
- Demonstrated proficiency in C#, SQL, ASP.NET, and JavaScript, ensuring robust backend and frontend development capabilities.
- Leveraged deep understanding of databases, web servers, and UI/UX design principles to create intuitive and engaging website interfaces.

**EDUCATION****Bachelor of Technology in Computer Science and Engineering**

MG University, Kerala, India

05/2008 - 04/2011.

**Diploma in Computer Science and Engineering**

Gov. Polytechnic College, Kerala, India

05/2005 - 04/2008.

**AWARDS AND ACHIEVEMENTS**

- Best Performance Award (TCS)
- Team Quarterly Top Performance Honour (Cognizant)
- Team MVP Award (Cognizant)
- Recognition for Outreach Flood Relief Efforts (Cognizant)

**SKILLS:**

Categories	Description
Technologies	HTML, HTML5, JavaScript, ReactJS, Node.js, Python, ASP.NET, .NET, C#, C++, CSS, CSS3, SCSS, SASS, SQL, NoSQL, JSX, TSX, Server-side, Python Flask, NextJS, JSON, Ajax, Web Components, Responsive UI, UiPath and ES6
Frameworks	Express.js, GraphQL, jQuery, Entity Framework, WF, Spring Boot, Bootstrap and Flask
Libraries	React, Redux, Styled Components, Elasticsearch, MaterialUI, MUI, Antd, React Hooks, Context API, Apollo Client and Server, Jest, Enzyme, Mocha, Husky, Webpack, Babel, Mongoose, Keycloak, Lodash, Knex, Sequelize, npm, PyP, Hooks and Styled Component
Databases	DynamoDB, MongoDB, SQL Server, PostgreSQL, MySQL
Tools	Visual Studio, Visual Studio Code, Jira, Slack, Kibana, Pivotal Tracker, Wiki, SonarQube, Confluence, Selenium, Blackduck, Synopsys, Xray, Figma, Invision
Cloud Infrastructure	Heroku, AWS: SNS, EC2, S3, SQS, AWS Lambda, RDS, CloudFormation, CloudWatch, CloudFront
Automation	CircleCI CI/CD, Gitlab, JFrog Artifactory, Jenkins
Containerization	Docker
Communication Protocols	RESTful APIs, Websockets, Messaging Queues
Version Control	TFS, Git, GitHub, Bitbucket, Gitlab
Reporting	RDLC, Chart.js, amCharts 4