

KARTHIKAYAN SELVARAJ

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SENIOR SOFTWARE ENGINEER

Experienced Senior Software Engineer with over **8+ years** of expertise in **React.js** and **Node.js**. Highly goal-oriented and consistently seeking new challenges to refine and expand my skills. Eager to take on roles that leverage and enhance my abilities in cutting-edge technologies.

SKILLS

- **React.js**
- **Node.js**
- **Javascript**
- **Jest**
- **React Testing Library**
- **PostgreSQL Database**
- **Docker Containers**
- **Express.js Framework**
- **HTML and CSS**
- **Git**
- **Microservice**

WORK EXPERIENCE

Tata Consultancy Services

November 2016 - Present

- Responsible for design, development and maintenance **of React.js and Node.js** web applications.
- Accountable for **making strategic decisions** regarding application architecture, technology stack, security and development practices.
- **Ensure the application meets business requirements** and industry standards. Balance technical feasibility with business requirements.
- **Write clean, efficient, and maintainable code.**
- Assign Tasks, set priorities and conduct **code reviews**.

EDUCATION

B.Tech - Electronics and Communication

2012-2016

Sri Manakula Vinayagar Engineering College, Puducherry

PROJECTS

Hands-on sandbox provider

2020 - Present

- This application enables users to **access a cloud sandbox environment directly from browser**.
- Developed **REST APIs** using Node.js, **Frontend** using React.js.
- Created reusable **Docker images** for multiple sandbox environments.
- **Created shell and node scripts** that will evaluate the user submitted code.
- This **reduced the cost** for provisioning sandbox environment by 50%.

E-learning web application

2016 - 2020

- Developed **responsive web UI** using React.js for the web applications that enables users to take **online courses and assessments**.
- **Revamped the legacy code base** to latest react version which improved the application performance.
- Developed UI for **support ticket management** system
- Developed Ui for **admin interface** to create and manage the contents for the courses.