Kathiravan Nambirajan

Full stack developer | React.js | Node.js | Express.js | MySQL | AWS | B.E- ECE | 4 Years

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SKILLS

Frontend: React.js, JavaScript, TypeScript, HTML5, CSS3, Tailwind CSS, Bootstrap
Backend: Node.js, Express.js, RESTful APIs, JWT Authentication, MySQL, Database Design.
CMS & Tools: HubSpot CMS, SVN, Postman, VS Code, NPM, Chrome DevTools
Methodologies: Agile, Code Review, System Design, Performance Optimization, Responsive Design
Soft Skills: Team Leadership, Problem Solving, Mentoring, Technical Documentation

WORK EXPERIENCE

CompIndia Infotech Pvt. Ltd., Chennai

Full Stack Web Developer   July 2022 - Present

Frontend Development
- Engineered **responsive web applications** using React.js and Tailwind CSS, ensuring seamless compatibility across mobile, tablet, and desktop devices with **99% cross-browser consistency**
- Built 30+ reusable frontend components reducing development time by **40% and improving** code maintainability across multiple projects
- Designed and implemented **mobile-first UI/UX for Tech Us** platform using **HubSpot CMS**, featuring smooth animations and interactive elements that enhanced user engagement by 35%

Backend Development
- Architected **scalable Node.js applications** using MVC architecture, **implementing RESTful APIs** serving 50K+ daily requests with 99.9% uptime
- **Optimized database** operations by implementing stored procedures in MySQL, reducing query execution time by 60% and improving application performance
- Built an **automated email scheduling** system (Emailer) processing 100K+ email blasts monthly using cron jobs, AWS SES, and a frontend with a real-time approval workflow
- Developed **secure authentication and authorization** systems using Crypto.js, implementing role-based access control for admin and customer portals

Web Developer Trainee   Feb 2022 - June 2022
- Completed hands-on training in **MERN stack** (Express.js, React.js, Node.js) and AWS deployment
- Supported **client project** development under senior guidance, contributing to the frontend and backend

KEY PROJECTS

Annotation Tool   June 2023 - May 2024
Role: Full Stack Developer | **Tech Stack:** React.js, Node.js, MySQL, TensorFlow.js, Annotorious
- Developed an **AI-powered Annotation tool** with **2D plan visualization, annotation handling**
- Implemented **secure user authentication** using **JWT and AES encryption**, and built an **Admin Dashboard** with real-time **email notifications** to enhance operational efficiency by **25%**.
- Architected and deployed a **scalable full-stack solution** on **AWS (S3, EC2)**, ensuring **high performance, reliability, and secure data management** across all modules.

LEADERSHIP EXPERIENCE

Technical Lead – Emailer Automation Platform
- Architected **automated email blast scheduling** system with Angular, Node.js, and AWS SES, processing 100K+ monthly emails with 99.5% deliverability
- Led development of **client approval workflow** and real-time analytics dashboard with cron-based automation
- Managed database optimization and **concurrent processing** architecture for multi-client campaign handling

CERTIFICATIONS

Complete Web Development Bootcamp – Udemy
Covered with MERN stack development, REST API design, secure authentication, and deploying applications.

EDUCATION

BIT Campus, Trichy (Anna University)

Bachelor of Engineering in Electronics and Communication Engineering - 7.110   Sep 2017 - Aug 2021