

Steve Saju

Senior Software Engineer

(TypeScript, Node.js, React, AWS)

CONTACT INFORMATION

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SUMMARY

Senior Software Engineer with **5+ years** of experience in **Node.js** and **TypeScript** backend development, and experience with **React.js** for frontend integration. Successfully delivered solutions for **Samsung**, **Collins Aerospace**, **Silicon Labs**, and other notable clients. Built and optimized large-scale web apps, improved deployment pipelines for enterprise clients, reduced time-to market by integrating CI/CD best practices. Currently based in Bergisch Gladbach, NRW, Germany. I thrive on designing user-centric applications, crafting clean and scalable code, and tackling challenging engineering problems. Whether it's **Front End**, **Full-Stack**, **Backend** or **DevOps** tasks, I enjoy taking ownership and delivering real impact. Let's connect!

SKILLS

Front-End

- React
- Redux
- TypeScript
- JavaScript
- JSX
- Tailwind
- HTML
- CSS

Backend

- Node.js (Express/**NestJS**)
- TypeScript
- WebSockets
- Python - Django

Databases

- PostgreSQL
- MongoDB
- Redis

Tools

- Azure Cloud (IoT Hub, Key Vault, ACR etc..)
- AWS (S3, Lambda, AppSync)
- Docker
- GitHub Actions (CI/CD)
- Jest, Mocha (Unit Testing)
- Elastic Search

PROFESSIONAL EXPERIENCE

Senior Software Engineer, *eInfochips (An Arrow Company)*

03.2024 – 06.2025 *Bangalore, India*

Key Projects:

Real-Time IoT Data Visualization Platform(NestJS, React, Socket.IO):

- Built backend pipelines to handle ~35,000 events/hour from Azure IoT Hub and stream updates to the React UI with Socket.io, handling high-volume telemetry smoothly.
- Designed REST APIs for efficient access to telemetry data and user sessions.
- Developed secure OAuth2 authentication and unit tests with Jest, improving CI/CD reliability.
- Developed and maintained CI/CD pipelines with GitHub Actions to automate build, test, and deployment processes.
- Collaborated in agile teams, conducting code reviews and delivering production-ready code

DevicePropel (React/TypeScript + AWS Lambda):

- Developed a **serverless workflow using AppSync and AWS Lambda** to automatically onboard and provision IoT devices.
- Implemented **automated certificate generation**, reducing manual certificate management by ~70%.
- Developed a **React dashboard** to initiate device onboarding and **view device registration status**, improving operational visibility and control.
- Added **pre-registration checks in Lambda**, cutting invalid onboardings by ~40% and eliminating manual Excel-based imports.

Stack: React, TypeScript, Node.js, Docker, Azure, AWS.

Senior Software Engineer - Contract, *Intelliswift Software Pvt.Ltd*

09.2023 – 03.2024 *Chennai, India*

Key Projects: Enterprise E-Commerce Platform - NDA Client

Highlights:

- Developed **BOPIS feature** in a **microservices-based system** for newly launched e-commerce products, implementing **fail-safe order workflows** for **~500K+ monthly page visits**.
- Built a **React component** for store associates to manage pickup orders in real time, improving order visibility and fulfillment accuracy, resulting in ~20% faster processing
- Implemented **event-driven communication** using **RabbitMQ** in Order and Inventory services for real-time stock updates, preventing overselling and ensuring 100% stock accuracy for BOPIS orders.
- Designed and optimized existing **REST APIs** with **Node.js** and **Express** for reliability and scalability.
- Implemented **unit tests (Mocha)**, load optimizations, and **continuous integration** (Github Actions).

Software Development Engineer, *CareStack (Good Methods Software)*

07.2022 – 08.2023, *Kerala, India*

Key Projects: BugReport – Chrome Extension for Bug Tracking (TypeScript), CLM (Contract Lifecycle Management)

Highlights:

- Built a Chrome extension for screen recording, and submitting real-time bug reports, capturing screen recordings and user data to enhance user support.
- Built backend **APIs** using **NestJS** and **Azure Functions** to handle extension data submission, storage, and retrieval efficiently..
- Optimized video uploads using **Azure SAS tokens** and integrated **SSO authentication** for secure and efficient data transfers.
- Built automated contract workflows on a CLM platform with **ChargeBee**, **HelloSign**, and **HubSpot** integrations, cutting manual processing by ~60%.
- Wrote unit and integration tests using **Jest**, improving code quality, reliability, and facilitating effective code reviews.
- Developed a **reminder mailing system and scheduled AKS cron jobs** to automate recurring tasks, including emails and backend workflows, improving operational efficiency and process reliability.

Stack: React, Redux, Stripe, NestJs, Rest API, CSS, Azure, Hubspot.

Software Engineer, *Attinad Software Pvt. Ltd*

12.2019 – 06.2022, *Kerala, India*

Key Projects: Smart Farming Sensor Platform, B2B Ordering Platform

Highlights:

- Implemented **Stripe** subscription payments and developed backend logic for real- time **IoT** graph visualizations
- Built backend services with **Express.js**, including **Elasticsearch-based** search enhancing system efficiency.
- Implemented **real-time** inventory sync feature, ensuring automatic stock adjustments across warehouses and improving order fulfillment accuracy.
- Processed sensor data with advanced calculations, feeding the UI dashboard and automated notifications to support timely decisions.
- Contributed to **dockerizing microservices** for a order system, improving scalability and reliability.

Stack: React, Redux, Stripe, Express, Rest API

EDUCATION

Bachelor of Technology (B.Tech) – Computer Science and Engineering

APJ Abdul Kalam Technological University

2015 – 2019 | Thiruvananthapuram, India

LANGUAGES

- **English:** Fluent (C1) - Daily use in professional settings
- **German:** Learning

SOFT SKILLS

- Mentorship and Knowledge Sharing
- Leadership
- Effective Communication
- Problem-Solving and Critical Thinking
- Time Management and Prioritization
- Cross Team Collaboration
- Project Assessment and Estimation
- Code Review and Quality Assurance