

# JOEL C RAJU

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## PROFESSIONAL SUMMARY

Software Engineer with 2 years of experience in full-stack development and cloud-native systems. Skilled in React, Node.js, TypeScript, and AWS, with a track record of building scalable SaaS products and delivering impactful features.

## WORK EXPERIENCE

### Software Engineer | Experion Technologies

May 2024 – Present

#### **Property Rental & FinTech Solution | React, Node.js, AWS, Typescript, Postgres**

- Integrated AWS SNS and SES to automate email and SMS notifications, improving user engagement and reducing manual communication by ~70%.
- Configured AWS S3 using signed URL for secure file storage, ensuring reliable access and data protection for user uploads.
- Implemented Plaid-based identity verification, enhancing onboarding security and reducing fraudulent accounts.
- Developed a digital wallet with Thredd and integrated Moorwand for seamless transactions, accelerating payment processing and improving user experience.
- Integrated Awayz and Wildfire loyalty platforms, delivering cashback rewards, coupons, and upsells, increasing user retention and engagement.

#### **All-in-One Childcare Management Solution | Node.js, AWS, Javascript, SQL**

- Developed program and subscription module enabling automated invoice generation, reducing manual billing effort by ~75% through CRON-based scheduling.
- Engineered attendance session generation logic to accurately calculate employee work hours, improving report accuracy by 30%.
- Designed dynamic SQL reporting using Sequelize ORM and raw SQL, delivering optimized queries with advanced filtering, sorting, and pagination.
- Integrated AWS services such as SES, SNS (SMS alerts), and Lambda webhooks, streamlining asynchronous workflows and event-driven processes.
- Refactored and optimized legacy APIs, enhancing performance, scalability, and reducing recurring bugs in production.

### TRAINEE | Experion Technologies

Oct 2023 – Apr 2024

#### **E-Learning Tracking | React-Native, Node.js, Typescript, MySQL, Jest**

- Led a 7-member team to develop a mobile app for tracking trainee progress, improving reporting efficiency by 85%.
- Optimized tracking system to eliminate recurring license costs, saving thousands annually.
- Integrated Percipio, a third-party learning platform, to consolidate and visualize trainee progress in one unified dashboard.
- Built an admin panel to monitor progress, manage batches, and assign customized assessments.
- Implemented automated notification and reminder systems to boost trainee engagement, assessment completion, and overall learning outcomes.

## PROJECTS

### **News Aggregator | React-Native, Typescript, Node.js, PostgreSQL**

- Built scalable news app with infinite scroll, bookmarks, OTP-based password reset.
- Integrated Google SSO for easier login and registration.

### **E-Rot detector | React, Firebase, Raspberry-PI, python, ML, AI**

- Designed IoT + ML solution to monitor real-time fruit freshness using image classification and gas sensors.

- Built a Raspberry-Pi based gas system for real-time monitoring of emitted gases from the fruit.

## CERTIFICATIONS & RESEARCH

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- AWS Certified Cloud Practitioner (CLF – C02) February 2025
- IEEE Xplore - Fruit Freshness Detection using IoT and Deep Learning September 2023

## SKILLS

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**LANGUAGES:** English, Hindi, Malayalam

**FRONTEND:** React, React-Native, Redux, JavaScript, Typescript, HTML, CSS,

**BACKEND:** NodeJS, RESTful APIs, MySQL, PostgreSQL, MongoDB, Redis, Docker

**CLOUD:** AWS, BitBucket, Azure Repos, CI/CD

**TOOLS:** Git, GitHub, Figma, Jira

## EDUCATION

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**Amal Jyothi college of Engineering**

*Kerala, India*

(Affiliated to APJ Abdul Kalam Technological University)

*July 2019 – July 2023*

Computer Science Engineering, CGPA: **8.21**

**St. Gregorios School**

*Dwarka, Delhi, India*

XII standard, CGPA: **9.3**

*March 2018 – March 2019*