

# Aravind Kumar Elango

Senior Fullstack Engineer (MERN)

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## Professional Summary

Senior Fullstack Engineer with over 7 years of experience in designing and scaling high-performance web applications using the MERN stack. Expert in Microservice architecture, React, Node.js, and TypeScript, with a proven track record of leading end-to-end projects and mentoring engineering teams. Specialist in event-driven architectures (Kafka/SQS) and performance optimization for enterprise-grade logistics and healthcare platforms.

## Technical Skills

- Frontend: React.js, Next.js, JavaScript (ES6+), TypeScript, Redux, Material UI, Tailwind CSS, HTML5, CSS3
- Backend: Node.js, Express.js, NestJS, REST APIs, GraphQL
- Databases: MongoDB, MySQL, PostgreSQL, SQL
- Cloud & DevOps: AWS(EC2, S3, lambda), Docker, CI/CD(Github Action/Jenkins), Kubernetes.
- Messaging & Streaming: Apache Kafka, AWS SQS
- Testing: Jest, React Testing Library, Chai, Sinon, Nock
- Languages: JavaScript, TypeScript, Golang, Python
- Tools & Practices: Git, Agile/Scrum, Code Reviews, System Design

## Professional Experience

**Senior Software Engineer (Fullstack) – Undocked (Remote, Bangalore)**

January 2022 – September 2025

- Directed fullstack development for enterprise and logistics platforms including Cargomatic and Procter & Gamble projects.
- Designed and built scalable frontend applications using React, TypeScript, Material UI, and Tailwind CSS.
- Developed and optimized REST and GraphQL APIs using Node.js, Express.js, and NestJS.
- Optimized MongoDB queries and API performance, reducing page load times by up to 50%.
- Built 20+ reusable UI components, improving development speed and maintainability.
- Implemented localization (i18n) support for global users.
- Co-architected PDF generation and CSV export services handling large datasets.
- Implemented role-based access control and admin dashboards for user management.
- Designed asynchronous workflows using AWS SQS and Kafka-based event-driven architecture.
- Mentored junior engineers, participated in design reviews, and contributed to architectural decisions.

## **Node.js Developer – Quess Corp, Bangalore**

April 2021 – December 2021

- Developed backend services and APIs using Node.js and Express.js for healthcare integration systems.
- Wrote unit tests and resolved critical production issues to improve system reliability.
- Collaborated with cross-functional teams following Agile methodologies.

## **Software Engineer – Greet Labs Private Ltd, Bangalore**

December 2017 – April 2021

- Developed and maintained web applications using React, JavaScript, and Node.js.
- Migrated admin portals from Angular to React, improving performance and maintainability.
- Optimized API calls resulting in up to 50% reduction in page load time.
- Mentored junior developers and contributed to successful delivery of high-impact projects.

## **Education**

Bachelor of Engineering in Electronics and Communication Engineering

PSG College of Technology, Coimbatore, India (2013-2017)