

Manoj M

Senior Software Engineer

📍 India 🌐 manoj-m.com 🔄 MANOJ-M-01 🌐 manoj-m-01

SUMMARY

Senior Software Engineer with 5+ years of experience designing, building, and operating production systems across web and mobile platforms. Delivered scalable analytics pipelines processing millions of events, architected microservices on AWS with Kubernetes, and shipped 15+ end-to-end products from e-commerce platforms to Flutter apps with offline-first sync. Strong in system design, performance engineering, and cross-functional collaboration. TypeScript, React, Node.js, and cloud-native infrastructure.

EXPERIENCE

Senior Software Engineer

Apr 2023 - Present

CapeStart · Nagercoil

● Senior Software Engineer (Mar 2026 - Present) > ● Software Engineer (Apr 2023 - Jan 2026)

- Own and evolve core platform modules spanning frontend (React, Next.js, Angular.js) and backend (Node.js, Python) serving production traffic
- Modernized legacy build system (Browserify → Webpack) and upgraded Node.js runtime across services (10 → 22)
- Led penetration test remediation, resolving all critical vulnerabilities identified by Rapid7
- Architect and deploy microservices on AWS using Kubernetes, Terraform, and CI/CD automation
- Drive engineering standards, code review processes, performance budgets, and accessibility compliance

Junior Software Developer

Nov 2020 - Apr 2023

Sea Sense Softwares · Marthandam

- Engineered cross-platform mobile applications with Flutter and Dart, delivering to both iOS and Android from a single codebase
- Designed and built RESTful APIs using FastAPI (Python) and Express.js (Node.js) for client-facing products
- Delivered 10+ full-stack projects end-to-end scoping requirements, designing architecture, implementing, and deploying
- Established reusable component libraries and design systems to accelerate development across client projects

PHP Developer Intern

Jan 2020 - May 2020

Dhina Technologies · Thuckalay

- Developed web applications with PHP/Laravel, implementing database-backed CRUD systems with MySQL
- Built responsive front-end interfaces with JavaScript, handling form validation and dynamic UI interactions
- Adopted version control workflows (Git) and collaborative development practices

SKILLS

LANGUAGES & FRAMEWORKS

TypeScript JavaScript Python PHP Dart React Next.js
Node.js Flutter Angular.js FastAPI Laravel CodeIgniter

DATA & STORAGE

PostgreSQL MySQL MongoDB ClickHouse Redis Elasticsearch

ENGINEERING PRACTICES

System Design Agile / Scrum Code Review Performance Optimization
Technical Documentation Monitoring & Observability

ARCHITECTURE & DESIGN

Object-Oriented Programming Microservices RESTful API Design
Serverless Agile Methodologies Event-Driven Architecture
Clean Architecture

CLOUD & INFRASTRUCTURE

AWS Kubernetes Terraform Docker CI/CD Vercel
GitHub Actions Jenkins

COLLABORATION & TOOLS

Git GitHub Jira Confluence Notion Figma Postman

EDUCATION

Master of Computer Applications (MCA)

2018 - 2020

NMCC, Marthandam · MS University, Thirunelveli · India

Bachelor of Computer Applications (BCA)

2015 - 2018

NMCC, Marthandam · MS University, Thirunelveli · India

LANGUAGES

English - Professional Malayalam - Native Tamil - Native