ARUN KRISHNAN MENON

Full Stack Developer

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Professional Summary

Full Stack Developer with 5+ years of experience building scalable web applications and e-commerce platforms. Expert in React, Node.js, and microservices architecture. Proven track record in developing multi-vendor marketplaces with complex business logic and high-traffic handling capabilities.

Technical Skills

Frontend: React.js, Next.js 14, Redux Toolkit, TypeScript, JavaScript (ES6+), Material-UI, Tailwind CSS, HTML5, CSS3
Backend: Node.js, Express.js, Python, FastAPI, Java, Spring Boot, RESTful APIs, GraphQL
Databases: MongoDB, PostgreSQL, MySQL, Redis, Elasticsearch
Cloud & DevOps: AWS (EC2, S3, CloudFront, Lambda), Docker, Kubernetes, Jenkins, GitHub Actions, CI/CD
Tools: Git, Postman, Jira, RabbitMQ, Stripe API, JWT, Socket.io, Prisma ORM, Nginx

Professional Experience

Senior Full Stack Developer — TechVista Solutions, Bangalore

July 2021 – Present

- Led development of multi-vendor e-commerce marketplace serving 500+ vendors and 50,000+ active customers
- Architected microservices-based backend using Node.js/Express, Python/FastAPI, and Spring Boot handling 10M+ API requests daily
- Built responsive frontend using Next.js 14 with Redux Toolkit for state management and Material-UI components
- Implemented real-time inventory management system using Socket.io and Redis caching reducing page load time by 40%
- Integrated Stripe payment gateway with PCI compliance, processing $2M+ monthly transactions with 99.9% uptime
- Developed collaborative filtering recommendation engine using Python achieving 35% increase in cross-sells
- Designed MongoDB schema for product catalogs and PostgreSQL for transactional data with proper indexing
- Implemented Elasticsearch for advanced search with filters, facets, and auto-suggestions serving 100K+ searches/day
- Set up RabbitMQ message queuing for asynchronous order processing and email notifications
- Deployed application on AWS using Kubernetes for orchestration and CloudFront CDN for static asset delivery
- Established CI/CD pipeline using GitHub Actions automating testing and deployment processes
- Implemented comprehensive monitoring using Prometheus and Grafana with custom dashboards

Full Stack Developer — Mindtree Ltd, Trivandrum

June 2019 – June 2021

- Developed customer-facing web applications using React, Node.js, and PostgreSQL for retail clients
- Built RESTful APIs with Express.js handling authentication, authorization using JWT tokens
- Implemented shopping cart functionality with session management using Redis

- Integrated third-party APIs for payment processing, shipping calculations, and tax computations
- Optimized database queries reducing response time by 50% using proper indexing and query optimization
- Collaborated with UI/UX team to implement responsive designs compatible across devices and browsers
- Participated in code reviews, sprint planning, and agile ceremonies

Education

Bachelor of Technology in Computer Science & Engineering
National Institute of Technology, Calicut — CGPA: 8.5/10 — 2015 – 2019

Certifications

- AWS Certified Solutions Architect – Associate
- MongoDB Certified Developer
- Certified Kubernetes Application Developer (CKAD)

Projects

E-Commerce Marketplace Platform – Led full-stack development of multi-vendor marketplace with vendor dashboards, product management, order processing, analytics, and customer review system. Tech: Next.js, Node.js, MongoDB, PostgreSQL, Elasticsearch, Kubernetes