# ARJUN CHALIL

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## SUMMARY

Senior Software Engineer / Full Stack Developer with 4.5+ years of experience designing and building scalable, cloud-native platforms, backend services, and high-performance user interfaces.

## TECHNICAL STACK

Languages: JavaScript, TypeScript, Python (working knowledge)
Frontend: React.js, React Native, Next.js, Micro Frontends
Backend: Node.js, Express, REST APIs, WebSockets, Go (working Knowledge)
Databases: MongoDB, Redis, SQL concepts (Postgres)
Cloud & DevOps: AWS (EC2, S3), GCP, Docker, CI/CD, Github Actions, Fastlane, Jenkins
Architecture: Microservices, SDK Design, Event-driven Systems, RAG

## RELEVANT PROFESSIONAL EXPERIENCE (4 Years 6 Months)

**Senior Engineer**              **Litmus7 Systems Consulting**          19th January 2022 - Present

**Projects overview**: Contributed in backend, frontend, and platform engineering for retail-based products, including SDK development, micro-frontend applications, secure proxy services, and end-to-end full stack applications.

- Designed and implemented SDK modules + npm packages, reducing duplicate engineering effort by 40% and improving integration speed across multiple teams/apps.
- Developed a real-time omnichannel messaging platform using Node.js/Go + WebSockets (with Next.js UI), improving latency by 50%.
- Optimized socket usage across micro-frontends using Shared Workers, reducing socket duplication by 60% and improving browser resource utilization.
- Implemented high-performance services using Node.js + Redis caching + Elasticsearch, enabling low-latency retrieval and search workflows over large retail datasets.
- Developed a secure API Proxy layer with request validation, traffic control, and auth routing to protect high-volume retail endpoints and improve API reliability.
- Led a 4-member engineering team across sprint planning, code reviews, architecture decisions, and production support to ensure stable delivery.
- Drove business impact with 5M+ installs and a 40% revenue increase through subscription-based platforms.

**Associate Software Engineer**          **Litmus7 Systems Consulting**          19th July 2021 - 18th January 2022

**Projects overview**: Worked on internal platform tools and retail product modules including dashboards for annotation workflows, React Native mobile features, reusable UI libraries, and full stack applications.

- Developed an annotation dashboard used in AI/ML workflows, supporting data labeling and review flows through modular frontend architecture using Next.js.
- Built mobile application features using React Native, delivering scalable UI flows and reusable components aligned with product requirements.
- Created and published a reusable UI component library, standardizing design patterns and accelerating development across multiple projects.

## PROJECTS

- Built a cross-platform mobile SDK for user interaction logging and customer journey tracking, enabling consistent event capture across mobile platforms for retail applications (Kotlin Multiplatform, React Native, Flutter).
- Developed a clienteling retail platform using micro-frontend architecture, improving modular development and parallel delivery across teams.
- Built and scaled retail platforms serving 10M+ users, contributing across React.js, Node.js.
- Developed a GenAI-based RAG full stack application (Node + React) for a client, supporting retrieval-driven workflows and business-facing UI capabilities.

## ACHIEVEMENTS

- Credibility Award – Litmus7: Recognized for technical excellence and delivery ownership.

## ACADEMIC BACKGROUND

Bachelor of Technology – Computer Science & Engineering                                        2017-2021
APJ Abdul Kalam Technological University