

SREEKESH O S

Thrissur, Kerala | +91 8281493169 | sreekeshokky@gmail.com

PROFESSIONAL SUMMARY

Strategic **Engineering Manager** and Senior Full-Stack Engineer with over **13 years of experience** building and scaling enterprise-grade applications. Proven track record of leading **cross-functional teams of up to 15 engineers** to deliver high-performance microservices and cloud-native solutions. Expert in driving digital transformation, including migrating legacy monoliths to event-driven architectures. Adept at balancing technical excellence with stakeholder management and agile deliver

CORE COMPETENCIES

- **Engineering Leadership:** Team Management, Mentorship, Solution Architecture, Stakeholder Management, Agile/Kanban.
- **System Architecture:** Microservices Decomposition, Event-Driven Architecture, API Design, Scalable System Design.
- **Backend & Cloud:** Node.js (8+ years), AWS (Lambda, SQS, SNS, EC2), Python, PHP, Micro Frontends (MFE).
- **Data & Performance:** MongoDB, MySQL, Elasticsearch, Redis, Database Optimization.

PROFESSIONAL EXPERIENCE

Engineering Manager (Senior Staff Engineer) | Cambium Networks | 04/2022 – Present

- **Owned end-to-end feature delivery**, gathering requirements, aligning with stakeholders, and partnering with device, UX, QA, and development teams to define milestones, delivery timelines, and execution plans.
- **Led a team** of 8+ engineers, driving clear priorities, improving execution discipline, and sustaining a 95% sprint completion rate through effective planning and Agile leadership.
- **Guided the architectural transformation** of the cnMaestro platform, steering the shift from a monolith to independently deployable microservices aligned with long-term product strategy.
- **Architected an event-driven microservices ecosystem** using Node.js and AWS (SQS, Lambda), strengthening platform scalability and operational robustness.
- **Accelerated deployment cycles and reduced cross-team dependencies** by introducing and

standardizing Micro Frontend (MFE) architecture across UI teams.

- **Improved real-time data performance** by implementing WebSocket-based communication channels, significantly reducing API load and enhancing data refresh latency.
- **Drove cross-functional visibility and accountability** by communicating risks, progress, and trade-offs to leadership and stakeholders, ensuring predictable, high-quality delivery.

Lead Engineer | QBurst Technologies | 06/2014 – 04/2022

- **Managed a multidisciplinary team of 10+ engineers** to deliver a complex IoT and E-Learning ecosystem serving
- **Accelerated time-to-market** by reducing system integration time through the standardization of API contracts and documentation.
- **Optimized data infrastructure** to process **1TB+ of daily data**, utilizing a high-performance aggregation system built on Node.js and hapi.
- **Enhanced search performance** by designing an Elasticsearch-based engine, achieving sub-second query response times across millions of records.
- **Automated manual operations**, reducing data entry time by **90%** through custom Selenium and Node.js processing tools.
- **Reduced cloud infrastructure costs by 40%** through strategic AWS resource management and architectural redesign.

Software Engineer | Assyst International | 10/2012 – 06/2014

- **Delivered enterprise ERP solutions** for the agricultural sector, focusing on plantation management and operational reporting.
- **Boosted user engagement** by designing and implementing responsive, cross-browser compatible UI components.
- **Built real-time operational dashboards** using JavaScript and nvd3.js, providing stakeholders with critical data visualization.
- **Optimized data manipulation** and reporting efficiency by implementing specialized processing modules with Underscore.js.

TECHNICAL ACHIEVEMENTS

- **Scalability:** Orchestrated the migration of legacy systems to AWS-based microservices, ensuring **99.9% availability** for downstream applications.
- **Big Data:** Designed and optimized MongoDB schemas and aggregation pipelines to manage **100M+ documents** efficiently.

- **Process Improvement:** Consistently hit high delivery benchmarks, maintaining a **95% sprint success rate** across multiple organizations.