

ASHWIN SAM GEORGE

Full-Stack & AI Engineer

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SUMMARY

Full-stack engineer with about 3 years of experience shipping production web platforms in Angular, TypeScript, Java and Python. Currently a founding engineer at a legal-tech startup, building **LLM features** for email intelligence and AI-generated case reports.

PROFESSIONAL EXPERIENCE

AI TECH STARTUP

Dubai, UAE

Founding Engineer

Jan 2026 – Present

- Defined the **core system architecture** (auditability-first pipeline design, cross-document contradiction detection) and presented it to the engineering team.
- Engineered the **email intelligence pipeline**, with RFC 822-based threading, cross-provider normalization (Gmail, Outlook, EML) and clustering that groups related emails into sub-threads.
- Shipped a **generate-and-verify LLM pipeline** for case summaries used by lawyers, where one model drafts from RAG-retrieved emails and a second checks each claim against the sources and flags hallucinations, cutting manual review time by **~40%**.
- Lowered LLM input-token cost by **~60%** and time to first token by **~2x** on long legal reports by restructuring prompts into a stable, cacheable prefix for **provider prompt caching**.
- Made end-to-end report generation **~3x faster** through **concurrent async LLM requests** with rate-limit-aware queuing across multi-document jobs.

TARENTO TECHNOLOGIES

Bengaluru, India

Software Engineer

Oct 2023 – Dec 2025

ParkiFly, Airport Parking & Shuttle SaaS (client: MatchedIn, Sweden)

Jan 2025 – Dec 2025

- Refactored the **Angular 19** codebase and fixed critical modules, reducing frontend bugs by **90%**.
- Mapped undocumented booking and billing flows with clients and resolved data inconsistencies.
- Developed shuttle, hotel transfer and car maintenance **dashboards** with server-side pagination, debounced search, lazy-loaded modules and lightweight centralized state management.
- Delivered architecture and UI/UX improvements in daily syncs with the Sweden-based CTO and product team.

Kronos, Internal Employee Platform

Feb 2024 – Feb 2025

- Cut report latency from **6s to 200ms** with **MySQL indexing and Redis caching** (self-initiated), reducing DB load by **80%**.
- Reduced Angular bundle size by **40%** via lazy loading and code splitting; improved frontend performance with server-side pagination and memoization.
- Replaced Logstash with a direct **MySQL-to-Elasticsearch sync**, stabilizing live data indexing.
- Built a real-time tax calculator with **RxJS** debouncing and standardized form validation with a reusable utility.
- Automated **CI/CD with Jenkins and Docker**; wrote ADRs and mentored junior engineers on scalable design.

TECHNICAL SKILLS

AI & LLM: LLM APIs (OpenAI, Anthropic), Retrieval-Augmented Generation (RAG), prompt engineering, prompt caching, LLM evaluation (LLM-as-judge)

Languages: TypeScript, JavaScript, Java, Python, SQL, HTML5, CSS3, SCSS

Frontend: Angular, RxJS

Backend: Java, Spring Framework, Play Framework, Python, REST APIs, Redis

Databases: MySQL, MongoDB, Elasticsearch

DevOps & Tools: Docker, Jenkins, CI/CD, Git, GitHub, Linux, Postman, Jira, Azure DevOps, Figma

EDUCATION

RAJIV GANDHI INSTITUTE OF TECHNOLOGY

Kottayam, India

B.Tech, Computer Science and Engineering

2019 – 2023

CERTIFICATIONS

BYTEBYTEGO

Nov 2025

AI Engineer Cohort Course (6 weeks)

AWARDS & LEADERSHIP

- Limelight Spot Award (x2) and Synergy Award at Tarento; VP Education, Tarento Toastmasters (2025); campus recruitment interviewer (2024, 2025).