Sarath Suresh

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Technical Skills

NodeJS, ReactJS, Docker, Java, Python, Fast API, Kafka, Kotlin, C#, MongoDB, MySQL, Git, Linux, Apache Camel.

Work Experience

- *Senior Software Engineer - Fullstack* | EY GDS   *Sept '25 - Present*
  - Architected a **multi-tenant**, **multi-clearance** access control system enabling fine-grained **RBAC/ABAC** across teams and data domains.
  - Built a distributed workflow **orchestrator** with **DAG execution**, retries, dependency management, and horizontal scaling.
  - Led migration to **microservices**, defining service contracts, async communication, and CI/CD-driven deployments.
  - Developed an **agentic automation** engine generating end-to-end **onboarding** artefacts, cutting time and eliminating manual errors.
  - Implemented end-to-end observability with **OpenTelemetry** and **Azure Monitor**, replacing legacy logging with structured **traces** and **metrics**.
  - **Tech Stacks**: Python, ReactJS, Langchain, Fast API, Docker, ADO, Azure, OTeL, K6

- *Senior Software Engineer - Fullstack* | Justdial   *Feb '24 - Sept' 25*
  - Migrated multi-instance Node.js servers managed by **PM2** to **Docker**, including server setup and provisioning, achieving streamlined deployments and improved scalability.
  - Engineered **JWT** validation and refresh mechanisms in **OAuth 2.0** for stateless authentication.
  - Actively contributed to the **"Sales Genio"** migration - An internal sales application from React v14 to NextJS.
  - Built a Python-based system to process on-demand **bulk invoices** using **Apache Kafka** as the queuing system.
  - Implemented **MySQL** connection pooling with automatic reconnection logic for transient fault tolerance.
  - Leveraged **memory buffers** for in-memory PDF bundling and direct cloud uploads via **S3-compatible APIs**.
  - Configured **reverse proxies** with **Nginx** for secure routing and load balancing of API traffic.
  - **Tech Stacks**: ReactJS, NodeJS, NextJS, MongoDB, Git, Docker, Linux, MySQL, Kafka, RabbitMQ

- *Software Engineer - Fullstack* | Growth As A Service (Graas)   *Jan'23 - Jan'24*
  - Developed time efficient **Java**-based **APIs** to retrieve and manage data through SQL queries
  - Engineered smart logic for acquiring Ads data from **Facebook Ads** and **Google Ads**, efficiently transferring it to an NFS (S3 Bucket) storage, enhancing data accessibility.
  - Worked closely with queuing mechanisms like **RabbitMQ** and **Apache Kafka**, for better messaging actions.
  - Crafted dynamic React components by applying concepts including **Redux** and the **context API**, resulting in highly efficient and maintainable user interfaces.
  - Containerised applications using **Docker** and deployed using **Jenkins**, showcasing expertise in modern software packaging and **CI/CD** practices
  - **Tech Stacks**: ReactJS, Java, MongoDB, Python, NodeJS, Snowflake DB, Docker, Jenkins, Git,

- *AR VR Developer* | Tata Consultancy Services   *May '21 - Jan'23*
  - Contributed to **B2B Augmented Reality** solutions, covering the entire process from inception to deployment.
  - Gained hands-on experience with a range of SDKs such as AR Core, Vuforia, and XR Tool Kit & Oculus.
  - Employed RESTful APIs, along with reliable queuing methods like **Kafka** and **MQTT**
  - **Tech Stacks**: Unity, C#, Android Studio, Vuforia, AR Core, Kotlin, Git, Azure

Education

B. Sc Electronics and Communication systems, SKASC Coimbatore   *Jun '18 - May '21*

Position of Responsibilities

Secretary - Conducted a state-level Rotaract Fellowship even with over 1800 + participants.
Vice President - Handled all the membership-related campaigns for the Rotaract club of SKASC.
Department Joint Secretary - Conducted an inter-college symposium with over 400 participants from colleges around the state.

Certifications

Microsoft Azure Fundamentals - AZ -900   *Microsoft*