

# Sunil Kurapati | Software Engineer

Bengaluru, Karnataka

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## Summary

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Software Engineer with 3+ years of experience building scalable backend and full-stack applications using Node.js, Express.js, React.js, TypeScript, PostgreSQL, MongoDB, and AWS. Strong expertise in microservices, event-driven architecture, queues (NATS/SQS), and cloud-native development using Docker & Kubernetes. Delivered high-impact features across risk screening, access control, audit logging, and compliance platforms, improving performance, accuracy, and scalability. Solved 300+ DSA problems.

## Technical Skills

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- **Languages:** JavaScript, TypeScript
- **Frontend:** ReactJS, Redux, HTML, CSS, SCSS, MUI, Tailwind CSS
- **Backend:** NodeJS, ExpressJS
- **Databases:** SQL, PostgreSQL, MongoDB
- **Cloud & DevOps:** AWS (Lambda, S3, SQS, Secret Manager), Docker, Kubernetes, Jenkins
- **Tools:** Git, GitHub, VS Code, Postman, ClickUp
- **Architecture:** Microservices, MVC, Singleton, Event-driven, Mediator pattern

## Experience

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### Facctum Solutions

Software Engineer

Bengaluru

Dec 2022 – Present

- **Tech Stack:** Node.js, Express.js, React.js, PostgreSQL, MongoDB, AWS, Docker, Kubernetes.
- **FacctList:** Spearheaded the creation of a data governance platform, leading to a **40% reduction in false positives** during compliance watchlist screenings. Refined data accuracy by 25% through automated validation and quality checks.
- **Common Admin Portal (CAP):** Designed and managed a centralized access control platform, improving user management efficiency by 30%. Implemented RBAC for 1000+ users, ensuring seamless authentication for SaaS products and reducing access-related issues by 40%.
- **FacctShield:** Streamlined a real-time system for filtering sanctioned entities in financial transactions, improving compliance accuracy by **35%**. Integrated blacklist and risk assessment systems to ensure 100% regulatory adherence.
- **Audit Service:** Introduced a standalone event-driven audit service using Node.js Event Emitter and NATS.io (Jetstream), increasing event processing efficiency by **50%**.

## Projects

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### Live Project | Source Code

Covid 19 Tracker

2022

- Proposed and built a COVID-19 tracking web app using ReactJS, React-Leaflet, and React-Chart.js for real-time visualization of cases, deaths, and recoveries.
- Integrated APIs for live updates and used Material-UI for a responsive UI, enhancing accessibility by 30%.

## Education

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### Savitribai Phule Pune University

Bachelor of Engineering - Information Technology, CGPA: 9.20/10

Pune

2022

## Achievements

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Solved 300+ problems on [LeetCode](#) and [GeeksforGeeks](#).