ARYAN SRIVASTAVA

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Experience

QSS Technosoft   **April 2023 − Now**

Software Engineer - (2 years 7 months)   *Noida, India*

Cardiac Health

- Implemented a high-performance DICOM-to-webm and image conversion **microservice** using python, FFmpeg, AWS ECS, redesigning the architecture to achieve a **70%** reduction in processing time.
- Built advanced workflow features including express mode, measurement tools, and a customizable reporting workflow that extracts measurements from DICOM files and auto-populates reports using ReactJS, improving diagnostic efficiency and reducing manual effort.
- Applied DevOps practices such as EC2 management, auto-scaling ECS tasks, and CloudWatch log monitoring, supporting smooth deployments and maintaining **99.9%** uptime.

Seven Hills

- Developed and optimized scalable, reusable frontend components like reporting module with templates, appointments, patient module, ABHA integration using ReactJS, while streamlining backend logic with NodeJS.
- Built essential DICOM features including a custom DICOM viewer with integrated **PACS**, custom reporting tools, text-to-speech integration, and stripe integration, improving clinician workflow speed and usability.
- Diagnosed and resolved a critical CouchDB performance bottleneck (beam.smp high CPU usage) that caused **15s** API delays; optimized EC2 configuration to bring response times down to **2–4s**, improving user experience and stability.

Modolabs

- Led a support project as the primary point of contact, mentoring two junior developers on AWS and application workflows.
- Achieved a **95%** on-time response and issue resolution rate, reducing downtime for a major enterprise client.

Education

Bachelor of Technology, Computer Science & Engineering   **2019 - 2023 May**

School of Management Sciences   **8.19 CGPA**

Technical Skills

Frontend: **ReactJS**, JavaScript, TypeScript, HTML, CSS, Bootstrap, Material UI, TailwindCSS.

Backend: **NodeJS**, ExpressJS, Python, REST APIs, GraphQL, API Integration, WebSockets, Microservices.

Databases: MongoDB, CouchDB, MySQL, SQLite.

Cloud & DevOps: AWS(EC2, ECS, ECR, SNS, CloudWatch, Lambda), CI/CD, Docker, Firebase, Netlify, Vercel.

Core CS Concepts: Data Structures & Algorithms, OOP, DBMS, Operating Systems.

Tools & Others: Git, GitHub, Postman, Stripe, FFmpeg.

Projects

Secret Share l Website l Code | *ReactJs, NodeJs, ExpressJs, MongoDB*   **April 2025**
- Designed and developed a secure self-destructing link service with a Node.js backend and MongoDB database, enabling users to share sensitive information that can only be viewed once before automatic deletion.
- Implemented encryption and one-time access workflows to safeguard user data, and built the system for ease of deployment and responsiveness across devices.

Leadership / Extracurricular

- Technical Blogger on **HashNode** and **Medium**, authoring 15+ articles on web development and data structures with **4,000+ total views**, helping beginners adopt modern coding practices.

- Open Source contributor in Hacktober Fest 2021 and 2022.

- LetsGrowMore (Open Source Contributor) – (July – August 2021) -Link

- Project Mentor in PEC Winter of Code - (Jan - March 2023) - Link