Yash Sonalia

Full-stack SDE with **3+ years of experience in** container based architecture and AWS and Azure Cloud platforms, proven record of technical leadership.

Location: Pune, India
+91 704 402 0012
sonaliayash@gmail.com
https://sonaliayash.in

EXPERIENCE

Strategy, Pune, MH — *Software Engineer (Cloud)*

November 2024 - Present

- Reduced AWS cross-account data sync time from **10 minutes to 5 seconds** (**30× improvement**) by implementing data-sync automation via AWS Lambda.
- Cut Packer golden image build time **by 50%** (from 2 hours to 1) by enabling parallelized builds in CI configuration.
- Saved over **$1,000/customer** and cut RDS costs **by 65%** by identifying and switching IOPS type from IO1 to GP3.
- Boosted analytics service performance by refactoring AWS Lambda handler, improving data-fetch reliability and response time.

Neos HealthTech, Remote — *Full-stack SDE & Tech Lead*

November 2022 - November 2024

- Integrated **4 Generative AI solutions** for radiological segmentation, diagnostics and reporting, and built automated reporting pipelines on a microservice-based AWS EKS architecture.
- Designed and deployed **3 microservices** (Node.js, PostgreSQL, RabbitMQ) to manage core medical data, notification systems, and user profiles.
- Improved inter-service efficiency **by 90%** by replacing REST APIs with asynchronous messaging using RabbitMQ.
- Cut AWS ECR costs **by 50%** by optimizing Docker layers and adopting multi-stage builds.
- Built scalable, responsive and optimized dashboards with accessibility controls and hot-key shortcuts in Next.js and Typescript.
- Led 3 full product cycles, managing a team of 3 devs to deliver iterative releases and ensure on-time delivery across frontend and backend.

SKILLS

- AWS (StepFunctions, CloudFormation, CodeDeploy, CodeBuild, EC2, RDS, S3, DynamoDB, Lambda, EKS).

- Kubernetes, Docker, Nginx, RabbitMQ (AMQP).

- Node.js, Python, React.js, Redux, Next.js, TypeScript.

- PostgreSQL, MongoDB, Redis.

PERSONAL PROJECTS

AI CT Segmentation & Automation — *Medical AI Tool*

Generate segmentation masks for full-body CT and automate the generation process using Python scripts in a DICOM SCP.

Technologies Used: PyTorch, PyDICOM, Docker

Radiology Buddy — *AI Tool*

Generative AI assistant to streamline and enhance radiological reporting.

Technologies Used: GPT-4 Builder, RSNA repository

EDUCATION

Techno India University, Kolkata — *BSc. IT Software Engineering and DevOps*