Aryan Kathawale

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EDUCATION

Sinhgad College Of Engineering — Pune, Maharashtra
Bachelor of Engineering in Computer Science, Major in Machine Learning, 7.64 GPA — *Jan. 2021 – Aug 2024*

EXPERIENCE

Fullstack and LLM Engineer — Jan 2024 – June 2024
Born Agile AI. — *Hungary*
- shipped The Proof Of Concept and Engineered ML Models Using Langchain , Vector Db and nextjs , Scalable architecture with 10x returns (design). Overlooked building custom RAG and Streaming API .
- Trained Generative Ai model and increased performance by refatoring and optimizing code by 30 percent. Switched crucial code from python to mojo.
- Set up Authentication Via OAuth and email pipeline making UX 1.4 times faster and easier to do.used Next-auth and react-email and nodemailer for SMTP requests. Saving upto 1200 Dollars per month

Frontend Developer — Jan. 2023 – Dec. 2023
Freelance — *Remote, India*
- Fullstack Developer implementing Three.js and framer motion . worked with various teams on Frontend led to +45 percent CTA and UX(on average). Experienced working with React , Angular , Jquery and svelte.
- Engineered high-performance backend architecture, specializing in RESTful API design, and implemented HTTPS proxies using Rust and TypeScript; reduced data retrieval time by 40% and enhanced system security by 10%. (best cases) .
- Brand Identity , Conforming to Web standards like ARIA , helping their sites to be accessible. help them setup their metadata and SEO practices , increasing their Lookup scores upto 400%.

Backend engineer — May 2022 – Oct 2022
Yottalligent — *Mumbai/Remote, India*
- code refactoring from graphql to TRPC in production.promise heavy, optimized javascript. rewrote microservices in Go to 0.25x Compile times and greater DX .
- Shipped API code to cloudflare workers, reducing cost by 400% using the wrangler apk.
- Contributed 50K+ lines of code to an established monolithic hexagonal architecture via Nest js
- Maintained the database API Slices of the application , working with AWS RDS

Fullstack Intern — Sept 2021 – Feb 2022
Devtown — *Mumbai/Remote, India*
- Developed advanced solutions using React a 30% increase in speed . Learnt about MERN Stack.
- Top- 10/1600 top performing colleagues with certification.
- learnt DSA , Git , web hooks , Javascript
- Actively took part in Scrum meetings.

PROJECTS

NewsWork | *Next.js, Puppeteer, Auth0, Drizzle ORM, Docker* — jul 2024 – Present
- Automated job Apply web app
- Use an LLM to parse 1000+ job requirements, filter key skills for your CV. Job market analytics
- Unit test LLM with Ponryo, and create resumes using React PDF.
- vercel Ai sdk 3.1 for Object streaming capabilities

Monet | *Next, Typescript, LLM,Streaming , Git* — jul 2024 – jul 2024
- Generative UI as a service
- Uitlized Vercel's AI sdk-3 's Capabilities to create a package that can replace traditional Chat services . with gpt-4o mini .
- wrote research papers on LLms and Typescript before AI boom.
- Collaborated with Students , took the role as informed leader in the project

Drawy | *Next, Typescript, LLM,Streaming , Excalidraw API , Fal ai* — jul 2024 – jul 2024
- Used Fal ai and Excalidraw to stream in images based on real time drawing .
- Innovative research and experimentation

Technical Skills

Languages: Typescript , Javascript , Go , Rust , Python , Java, C , erlang .
Frameworks: Next.js, Jest/Puppeteer , Angular, Vue, Jquery, React Native , Expo
Developer Tools: Git, Docker, LLMs, GCP/ AWS / Cloudflare, Tailwind CSS, Rabbit Mq, Kafka, Postgres QL, Node/deno/bun.
Libraries: React, Tensorflow.js , Nest.js, Fastify/ hono /express, Vite , PostgresQl, Zustand , Redux , Graphql , HTMX , Redis , MongoDb , Rabbit Mq , Kafka , Springboot ,
Focus on: Optimization, Animation ,System Design , frontend Design , UI /UX , Complexity Compression