

Aryan Kathawale

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TECHNICAL SKILLS

Languages: Typescript, Javascript, HTML/CSS, Go, C, Python, SQL, Gleam.

Frameworks: Next.js, Jest/Puppeteer, Angular, Vue, Jquery, React Native, Expo, Nest.js, Fastify, Hono, Express.

Developer Tools: Git, Node.js, Tailwind CSS, Figma, Deno, Bun, Docker, Rabbit MQ, Kafka, GCP, AWS, Cloudflare, Jira, LLMs.

Libraries: React, Tensorflow, Pytorch, , Redux, GraphQL, HTMX.

Database: PostgreSQL, Prisma, Drizzle Non-relational: MongoDB, Redis, Sqlite.

Focus on: Strong Focus on: Frontend Design, UI /UX, Animation, Refactoring, Optimization, Complexity Compression, System Architecture.

EDUCATION

Sinhgad College Of Engineering

Bachelor of Engineering in Computer Science, Major in Machine Learning, 7.64 GPA

Pune, Maharashtra

Jan. 2021 – Aug 2024

EXPERIENCE

Fullstack and LLM Engineer

Born Agile AI.

Jan 2024 – June 2024

Hungary

- Led the development team of 3 and implementation of the Proof of Concept and engineered ML models utilizing **Langchain, Vector Db, and Next.js**, resulting in a scalable architecture with **10x returns**. Supervising the construction of custom **RAG and Streaming API**.
- The Generative AI model was trained and its performance was enhanced by refactoring and optimizing code by **30%**. Additionally, critical code was transitioned from Python to MOJO for improved functionality.
- Set up authentication via OAuth and email pipeline, Streamlined and 40% faster. Used Next-Auth, React-email, and Nodemailer for SMTP requests. **Saving \$1200 per month.**

Backend engineer

Yottalligent

May 2022 – Oct 2022

Mumbai/Remote, India

- Refactored code from **GraphQL to TRPC** in production, optimized JavaScript with promises, and improved microservice compile times, rewriting some in Go by 25%. Deployed on Serverless for enhanced efficiency.
- We successfully deployed the API code to **Cloudflare workers**, resulting in a **400 % cost reduction** using the Wrangler CLI. Moving to an **Event Driven Design** Pattern instead of a Monolith.

PROJECTS

NewsWork | *Next.js, Puppeteer, Auth0, Drizzle ORM, Docker*

Jul 2024 – Sept 2024

- Developed a replacement chatbot system that utilizes LLMs to generate Smart UI components.
- Leveraged an LLM to systematically analyze over 1000 job requirements and extract essential skills to optimize a curriculum vitae. Gained valuable insights into the job market through robust 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*

Jan 2024 – Mar 2024

- Created a chatbot with Generative UI to personalize the interface for each user.
- Utilised Vercel's AI SDK-3 capabilities to create a package that can replace traditional chat services via GPT-4o mini.
- Personally led a group of 20 students on this project. Used my expertise to guide the team through each project phase, from initial concept to successful completion.

Drawy | *Next, Typescript, LLM, Streaming, Excalidraw API, Fal.AI*

Sept 2024 – Nov 2024

- Developed a real-time image-generating application that uses rough sketches by the user to generate accurate images based on the user's requirements.
- Used Fal.AI and Excalidraw to stream in images based on real-time sketches or illustrations.
- Innovative research and experimentation