Shubham Patil

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EXPERIENCE

MetaMorphoSys Technologies Private Ltd.   *Apr 2023 - Present*
Software developer   *Pune, Onsite*
Sr Frontend Engineer specializing in scalable React systems, performance optimization, and end-to-end delivery of enterprise products.
- **Led development** of a scalable API integration product, **owning the entire Frontend** from ground up and mentoring a team of two engineers. Product is adopted across enterprise market in Hong Kong, Malaysia and Vietnam.
- **Architected** and implemented a **Micro-Frontend architecture**, improving application performance by 20% through memoization strategies and optimized event handling using debouncing and throttling.
- Designed and developed a modular, **node-driven Agent Workflow Builder** with dynamic graph rendering, connection validation, custom node types, and real-time state synchronization, collaborating closely with backend, product, and design teams.
- **Reduced bundle size by 45%** by applying advanced optimization techniques such as **code splitting**, route-based lazy loading, and image optimization, resulting in a **25%** reduction in initial page load times.
- Owned the **Frontend lifecycle end-to-end**, from development to production, and improved release reliability by implementing automated end-to-end test cases using Playwright.
- Contributed to key architectural decisions and **drove Frontend best practice**s through rigorous **code reviews**, improving code scalability and developer productivity, while conducting 20+ technical interviews to support team growth.
- Developed RESTful APIs using Node.js , focusing on **clean API design**, validation, and Frontend-backend integration.

MetaMorphoSys Technologies Private Ltd.   *Oct 2022 - Mar 2023*
Software development intern   *Pune, Onsite*
- **Delivered a client-facing feature** for an Indonesia-based customer, **driving a 40% increase** in business conversions and measurable improvements in user engagement.
- Designed and developed a cross-product **analytics dashboard** to surface key business insights, supporting data-driven decisions across teams.
- Resolved multiple production bugs, improving overall system stability and user experience.

SKILLS

- **Programming Languages:** JavaScript, TypeScript, HTML, CSS
- **Technologies & Frameworks:** React.js, RTK Query, Next.js, Redux-Toolkit, Tailwind CSS, Git, Webpack*
- **Backend & Databases :** Express.js, Node.js, MongoDB*, MySQL*

*Elementary Proficiency

EDUCATION

Bachelor of Science In Information Technology, University of Mumbai   *Jun 2019 - May 2022*
Sant Rawool Maharaj College (SRM)   8.98 *CGPA*
Coursework :
C, C++, Java, Python, Computer Architecture, Data Structures and Algorithms, Web Programming, Operating Systems, Mobile Programming Object-Oriented Programming, DBMS, IOT, AI

PROJECTS

Medium - Fullstack Blogging Platform   *Project Link*
Personal Project on full-stack development   [React.js, Tailwind CSS, Express.js, Node.js, MongoDB, cloudinary]
- Designed and built a full-stack blogging site with feature like user auth, media uploads and rich text editor (Markdown).
- Added a features like post, threaded comments, search, user profile.

Nodebase - AI-Powered Automation Product   *Project Link*
Personal Project on AI-Automation   [Next.js, React.js, PostgreSQL, Tailwind CSS, Shadcn/ui, Prisma, Gemini, Inngest]
- Developed a no-code workflow automation platform (inspired by n8n)
- Implemented features like drag-and-drop UI, Custom trigger node (e.g. google form node) and AI execution Nodes. (Gemini/OpenAI)
- This system automates end-to-end tasks. example: including summarization of form data and subsequent email dispatch.

ACHIEVEMENTS

- **Quarterly Top Performer Award ,** Recognized by the CTO for leading high-impact Frontend contributions, including integrating an open-source project's UI and core logic into a new product to meet critical business requirements.   *Link*

- **LeetCode 50-Day Badge (2025) ,** Maintained a 50-day continuous problem-solving streak, reinforcing strong fundamentals in data structures and algorithmic thinking.   *Link*

- **LeetCode (JavaScript) ,** 90+ problems solved, reflecting consistent algorithmic practice and solid DSA fundamentals.   *Link*