

Aviral Vardiya

Full stack web developer

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PROJECTS

WalletApp | Money transfer wallet app

- Built using TypeScript, NextJs, PostgreSQL, Prisma, TurpoRepo, Docker, and AWS EC2.
- Full stack app using NextJs for frontend and backend with web-hook built using express.
- Authentication implemented using NextAuth
- Maintained as a monorepo using Turborepo, containerized with Docker, and deployed on AWS EC2.
- CI/CD pipeline built using GitHub Actions.

BlogApp | Blog platform

- Built using TypeScript, React, PostgreSQL, Prisma, Hono, and deployed on Cloudflare worker.
- React frontend with recoil for state management, react-router-dom for client-side routing, and Zod for input validation.
- Hono for building HTTP server on edge functions.
- Deployed on Cloudflare workers with the help of Wrangler.

Dukaan | Full stack E-commerce application

- Developed using MERN stack: ReactJS for frontend and Express on NodeJS for backend.
- Used Tailwind CSS and tailwind components for an interactive interface.
- Utilized Redux Toolkit for centralized state management.
- Implemented react-hooks-form for seamless form handling and MongoDB for data storage with Mongoose ODM.
- Employed PassportJs with JWT for user authentication and session management.

Other Projects

- **LinkedIn Clone** | FE web app built with React and Firebase.
- **Note It Down** | Note taking application.
- **TicTacToe** | Web browser game.

EXPERIENCE

Assistant Manager

Bar Mill, Vedanta-ESL Steel Limited Jul 2021 - Present, Bokaro, India

- Owner of Asset Tactics Development module of Vedantas Asset Optimization Framework.
- Conducted Failure modes and effects analysis (FMEA), Root cause Analysis (RCA), Condition-based monitoring, delay analysis, and maintenance job planning.
- Managed SAP PM module and spare planning and management.
- Prepared the greasing schedule of mechanical equipment and implemented preventive maintenance.
- Monitored day-to-day shift activities and equipment health.

SKILLS

Frameworks & Tools

- ReactJS, NextJs, Recoil, Redux, NodeJS, Express, Hono, Tailwind-CSS, PostgreSQL, Prisma, Zod, Firebase, MongoDB, Mongoose, PassportJS, NextAuth, JWT

Programming/scripting languages

- HTML5, CSS, JavaScript, TypeScript

Other

- GIT, VSCode, Turborepo, Nginx, AWS EC2/S3 and cloudfront deployment, Cloudflare workers deployment, Vercel, Team Handling, Project Management, Proficient public speaking, Self-trained musician

EDUCATION

National Institute of Technology, Silchar

May 2021

Bachelor of Technology - Mechanical Engineering

Silchar, Assam CPI: 8.21

ACHIEVEMENTS

- Pareto analysis followed by root cause analysis of delay caused due to mechanical failures in Bar Mill. Did design modification project of identified equipment to reduce chances of breakdown and reduce mechanical delay from 7.1 % to 4.3 %.
- Winner in Mens Speed event amongst 50 colleges across India in HPVC (Human Powered Vehicle Challenge) organized by ASME in 2020. Successfully lead NIT Silchars HPVC team as the Vice-captain & Project Manager. My responsibilities were preparation of the project timeline, work and responsibility allocation, reports and presentation preparation, chassis fabrication, chain drive design and quality control.