Shubham Patil

✉ xshuubhampatil@gmail.com   📞 +91 8421518624   🔗 LinkedIn   GitHub   🔗 Portfolio

Projects

AutoDeploy Pipeline 🔗

- **Description**: Developed a comprehensive automation pipeline to clone repositories, build projects, and upload outputs to AWS S3 using Node.js and Redis for logging.
- **Repository Cloning**: Utilized child process to clone Git repositories and execute build scripts, enhancing the deployment process.
- **Build Process**: Managed project builds by reading package.json, executing npm commands, and handling stdout/stderr logging.
- **S3 Integration**: Employed the AWS SDK to upload built files to a specified S3 bucket, ensuring efficient cloud storage and access.
- **Logging Mechanism**: Integrated Redis for real-time logging of the pipeline process, improving debugging and monitoring capabilities.
- **Environment Configuration**: Utilized environment variables for secure configuration, ensuring sensitive data management.
- **Technologies Used**: Node.js, AWS SDK, Redis, Git, npm, JavaScript, TypeScript, EJS, Bash scripting, Docker.

Video Transcoder 🔗

- **Description:** Automated video transcoding pipeline using AWS S3 and FFmpeg for multiple resolutions.
- **S3 Integration**: Utilizes the AWS SDK to download original videos from S3 and upload transcoded versions back to a specified bucket.
- **FFmpeg Utilization**: Implements fluent-ffmpeg to transcode videos into 360p, 480p, and 720p resolutions, ensuring high-quality output.
- **Environment Management**: Loads environment variables for configuration, enhancing security and flexibility.
- **Asynchronous Processing**: Employs Promises for handling multiple transcoding operations concurrently, optimizing processing time.
- **File Handling**: Utilizes Node.js's fs module for file operations, ensuring reliable read and write functionality.
- **Technologies Used**: Node.js, AWS SDK, FFmpeg, JavaScript, TypeScript, EJS, Promises, S3.

Traveller 🔗 Live

- **Description:** A refined travel platform inspired by Airbnb, offering personalized stays.
- Traveller**:** A refined travel platform inspired by Airbnb's innovative approach to personalized stays.
- **Dynamic User Authentication:** Integrates Passport.js for seamless user authentication and session management with Express-Session and MongoDB.
- **Enhanced Data Handling:** Utilizes Express.js and Joi for dynamic routing and robust data validation.
- **Image Management:** Integrates Cloudinary for efficient image storage and management.
- **User Experience:** Features responsive design with Bootstrap and EJS, enhancing the overall user experience.
- **Comprehensive Middleware:** Implements middleware for session management, error handling, and validation.
- **Technologies Used:** MERN stack (MongoDB, Express.js, React.js, Node.js), EJS, Passport.js, Express-Session, Joi, Cloudinary, Bootstrap.

Portfolio 🔗 Live

- **Description:** A modern portfolio website built with Next.js and Tailwind CSS, showcasing projects and skills with a visually striking design.
- **Design Features:** Incorporates animated tooltips, gradient backgrounds, and hover effects for an engaging user experience.
- **Interactive Elements:** Includes infinite scrolling, custom navigation menus, spotlight effects, and sticky scroll reveals to enhance interactivity.
- **Showcase Sections:** Highlights featured projects, includes a hero section, team member section, and custom footer.
- **Custom Components:** Features testimonial cards and a section detailing reasons to choose the services offered.

Skills

Front-end Technologies:
Next.js, React.js, JavaScript, Typescript, HTML, CSS, Tailwind, Bootstrap

Backend Technologies:
Node.js, Express.js, Mongoose, MongoDB Redis

Basic Devops
Docker Deploying to AWS servers Kubernetes CI/CD

Education

Bachelor of computer application, Pratap College

Relevant Coursework: Database management, web development, computer networks, software engineering.   July 2020 to July 2023

Amalner, India