KSHITIJ RANGARI

FULL STACK DEVELOPER

CONTACT

📞 +1 647-454-4941

✉ kshitij.rangari92@gmail.com

📍 Ontario, Canada

🌐 Github

EDUCATION

2015-2016
NEW YORK INSTITUTE OF TECHNOLOLGY

- Masters of Computer Science

2011-2014
MUMBAI UNIVERSITY

- Bachelor of Computer Engineer

SKILLS

Frontend: React, Angular, Next.js, TypeScript, HTML5, CSS3, SASS, Redux, NgRx, Jest

Backend: Node.js, .NET, REST APIs, C#, SQL (MySQL, Microsoft SQL) Cloud/DevOps: AWS, Azure, CI/CD Pipelines, Webpack, Gulp

Tools: GitHub, Bitbucket, Azure DevOps, Jira

PROFILE

Full-stack software developer with 9 years of experience designing and delivering enterprise-scale web applications. Expertise in modern JavaScript frameworks (React, Angular), cloud platforms (AWS, Azure), and end-to-end system optimization. Led critical features for Paramount+ launch and migrated legacy systems to scalable architectures, improving performance by 25–40%.

WORK EXPERIENCE

Specialist Software Engineer | LTIMindtree Ltd., Canada (Client: Paramount, New York)
MAY 2021 - PRESENT

- Engineered 15+ React features for ViacomCBS' DAM platform, reducing asset delivery time by 30% and supporting 1M+ users post-launch.
- Led the migration of legacy MAM applications from Angular to Next.js, enhancing performance and reducing page load times by 25% with server-side rendering.
- Built RESTful APIs with .NET/C# for media asset workflows, enabling seamless integration with AWS S3 and reducing latency by 40%.
- Automated CI/CD pipelines in Azure DevOps, cutting deployment time by 50% and ensuring zero downtime for critical updates.
- Mentored 4 junior developers on React best practices and testing (Jest), achieving 95% code coverage for core modules.

Programmer Analyst | Dotcom Team LLC, New York (Client: ViacomCBS)
SEPT 2018 - MAY 2021

- Spearheaded migration of legacy Knockout.js app to Angular, modernizing UI/UX and reducing load time by 35%.
- Designed state management solutions using NgRx and RxJS, enhancing real-time media search functionality for 500+ daily users.
- Collaborated with QA teams to implement automated testing, reducing post-deployment bugs by 20%.

Jr. Angular Developer | Insight Global LLC, New York (Client: Viacom)
APRIL 2017 - AUG 2018

- Developed responsive UI components with Angular Material, improving cross-browser compatibility for media management tools.
- Fixed 50+ critical bugs in legacy systems, ensuring compliance with WCAG 2.0 accessibility standards.

CERTIFICATIONS

- AWS Certified Cloud Practitioner (ID: CVZNY2C2Y2EQQ6K3) | 2023
- Next.js: The Complete Developer's Guide | Udemy
- Introduction to Streaming Media | Streaming Learning Center

PUBLICATIONS

Reusable Blazor Components in Legacy .NET MVC Application: https://medium.com/p/7067ec8c6e7f

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PROJECTS

SceneSound: AI-Powered Video Scene Analysis & Audio Description Generator

- Developed a full-stack application that transforms video content into intelligent audio descriptions using advanced AI technologies. The system automatically detects scene changes, recognizes faces, and generates natural language descriptions, making visual content accessible to visually impaired users. Implemented real-time face recognition with persistent naming across scenes and seamless audio generation with original soundtrack integration.
- Key Technologies:
  - Frontend: Next.js, TypeScript, Tailwind CSS, Heroicons
  - Backend: FastAPI, Python, OpenAI GPT-4 Vision
  - AI/ML: TensorFlow, PyTorch, TransNetV2, MediaPipe, DLIB
  - Video Processing: OpenCV, FFmpeg, MoviePy
  - Audio Processing: PyDub, FFmpeg-python
  - Infrastructure: RESTful APIs, Async Processing, File Streaming

TheVidea - AI-Powered Text-to-Video Generation Platform

- Developed a sophisticated web application that transforms textual descriptions into high-quality videos using AI, featuring automated scene generation, audio narration, and seamless video composition. Built with a modern tech stack including Next.js 14, TypeScript, Tailwind CSS, and Zustand for state management.

Key Features & Technical Implementation:
- Engineered a responsive UI with dynamic theme switching and conditional rendering based on authentication state using Next.js and Next-Auth
- Implemented real-time video generation progress tracking and preview functionality using custom video player components
- Integrated automated audio narration generation with scene-specific timing and downloadable MP3 output
- Built an efficient state management system using Zustand with persistent storage for managing video generation history
- Designed an intuitive interface with collapsible sidebars, video preview panels, and seamless transitions using Tailwind CSS
- Utilized TypeScript for enhanced type safety and code maintainability across the application

- Tech Stack:
  - Frontend: Next.js 14, TypeScript, Tailwind CSS, Heroicons
  - State Management: Zustand
  - Authentication: NextAuth.js
  - Video Processing: FFmpeg
  - Styling: Tailwind CSS with custom animations and dark mode support
  - Version Control: Git