Achu A

MERN STACK DEVELOPER

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Profile Summary

Full Stack Developer with hands-on experience developing scalable full-stack applications using React, Next.js, TypeScript, Node.js, Express.js, and MongoDB. Proficient in building reusable UI components, designing RESTful APIs, implementing Clean Architecture principles, and delivering maintainable, high-quality software.

Technical Skills

Languages: JavaScript (ES6+), TypeScript
Frontend: React.js, Next.js, Vue.js, Redux, TanStack Query, HTML5
Backend: Node.js, Express.js, NestJS, RESTful APIs, JWT Authentication, Socket.IO, WebSockets
Databases: MongoDB, PostgreSQL, Redis
Cloud & DevOps: AWS (EC2), Docker, GitHub Actions, Nginx, Azure
Dev Tools: Git, GitHub,Postman
AI Developer Tools: Cursor, Claude Code, ChatGPT, OpenAI Codex CLI, Anitgravity
Architecture: Clean Architecture, Repository Pattern, MVC

Projects

- **Spark (Dating Application)** Live Link - GitHub

  Tech Stack: Nextjs, React, TypeScript, Node.js, Express.js, MongoDB, Redis, Socket.IO, WebRTC, Stripe

  A modern full-stack dating platform that enables users to connect through **profile matching and real-time communication**.

  - Designed the backend using the Repository Pattern, JWT authentication, **Redis caching**
  - Built real-time one-to-one chat using **Socket.IO**.
  - Developed **matching and profile discovery** features.

- **tvtrac (Show and Movie Tracking Platform)** Live Link - GitHub

  Tech Stack: Next.js, React, TypeScript, Express.js, MongoDB, Tailwind CSS, Cloudinary, React Query

  Developed a **full-stack Progressive Web App (PWA) Tv tracking platform** for discovering, tracking, and organizing favorite TV shows and movies in one place, with an app-like experience across desktop and mobile devices.

  - Built responsive and interactive user interfaces using **Next.js** and Tailwind CSS for seamless show and **movie tracking**, enhanced with **Framer Motion** animations
  - Integrating the TMDB API to fetch real-time movie/show data and embed YouTube trailers.

- **Comix (Comic Book E-Commerce Platform)** Live Link - GitHub

  Tech Stack: Node.js, Express.js, MongoDB, EJS, Razorpay

  - An **e-commerce platform** for purchasing comic books with **coupon management and order tracking**.
  - Developed the platform with **Express.js and MongoDB**, implementing **RESTful APIs** for authentication, product management, inventory, orders, and payments.

Experience

- **CNC / QC Operator – SAVIN CNC Engineering** Oct 2022 – Feb 2024
  - Performed detailed Quality Controll (QC) testing, diagnosing mechanical faults and optimizing processes to minimize defect rates.
- **CNC - Optimus Technologies** Aug 2019 – Jun 2022
  - Operated CNC machinery with focus on quality and precision.

Education

- **Professional Training – Full Stack Development (Mern Stack) - Brototype** May 2024 – Aug 2026
  - Completed an intensive project-based bootcamp focused on React, Node.js, Javascript, Typescript and modern software development practices.
- **Diploma in Mechanical Engineering** Jun 2017 – July 2019