

# Akhil Kumar Harikumar

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## SUMMARY

Full Stack Developer with over 3 years of experience building user-centric applications using React, Next.js, JavaScript, TypeScript, Node.js with a strong focus on problem-solving and continuous learning.

## EXPERIENCE

### Software Engineer

Jul 2024 – Present

Groovin You Entertainment LTD | Remote

Boston, MA

- Achieved a 70% performance boost (Lighthouse) by migrating the Artist Portal to Next.js RSC and using lazy loading with code splitting.
- Strengthened system security by upgrading authentication and applying role-based access (RBAC) for 1000+ users.
- Reduced API calls to Airtable by 90% through Redis integration for user session management and API rate limiting.
- Implemented Google Vision AI moderation, decreasing inappropriate profile picture uploads by 95%.

### Full Stack Software Developer

Feb 2024 – Jul 2024

WebHawkx LLC | Remote

Laurel, MD

- Engineered a secure Admin Portal with Next.js for 6+ management staff to manage assignments, gigs and payments, cutting manual coordination time by 50%.
- Leveraged webhook integrations with Zapier to automate workflows and email communications, reducing manual tasks by 75%.
- Mentored a junior team member by guiding project flow and led code reviews sessions, increasing code quality by 40%.

### Full Stack Developer

May 2023 – Feb 2024

Groovin You Entertainment LTD | Remote

Boston, MA

- Developed an Artist Portal with Next.js and Tailwind CSS for musicians which boosted event readiness making performances 50% smoother and more organized.
- Architected Airtable APIs for the backend, preserving 100% of legacy data and saving an estimated 2+ months of migration effort by avoiding a full backend rewrite as per company preference.
- Migrated static assets to Google Cloud Storage bucket, improving LCP and reducing page load latency by up to 90%.

### Full Stack Developer

Jan 2020 – Feb 2021

Freelance

Chennai, India

- Boosted sales by 95% through launching a contactless ordering app for a local pharmacy during COVID-19.
- Crafted a mobile-responsive frontend with React, Tailwind CSS and a Node.js/Express backend with secure authentication and order processing, shifting over 300 daily pharmacy visits to online orders.
- Integrated secure payments using Paytm API and automated notifications, reducing manual work by 50%.

## PROJECTS

**Movie Home** | movie-home.akhilkumar.dev | React, Tailwind CSS, Firebase Auth, MongoDB

- Launched a movie watchlist app with real-time streaming availability, search features, attracting over 200 monthly user visits.
- Centralized user data with MongoDB, boosting retrieval efficiency by 40% for personalized movie and TV show tracking.

## SKILLS

**Languages & Frameworks:** JavaScript (ES6+), TypeScript, React, Next.js, Node.js, Python, Java

**Web Technologies:** Tailwind CSS, SASS, Framer Motion, HTML, CSS, RESTful API, GraphQL

**Databases:** RDBMS (MySQL, PostgreSQL), NoSQL (MongoDB, Firebase, DynamoDB), Redis, Airtable

**Cloud & CI/CD:** AWS, Google Cloud, Vercel, Heroku, Docker, Turborepo, Supabase

**Tools:** Jest, Webpack, Babel, Sentry, Jira, Git, GitHub Copilot

**Certifications:** AWS Certified Cloud Practitioner

## EDUCATION

University of Texas at Arlington, Master of Science in Computer Science

Aug 2021 – May 2023

Anna University, Bachelor of Engineering in Computer Science

Sep 2017 – Jun 2021