

AKHIL KUMAR HARIKUMAR

Full Stack Developer

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EDUCATION

Master of Science - Computer Science

Aug 2021 - May 2023

University of Texas at Arlington, TX, United States

Courses: Cloud Computing, Python, Software Engineering, Database Systems, Web Data Management, Computer Networks, Numerical Methods, Algorithms, Data Analysis and Modeling Techniques

Bachelor of Engineering - Computer Science

2017 – 2021

Anna University, Chennai, India

CERTIFICATIONS

AWS Certified Cloud Practitioner – Jan 2023

JPMorgan Chase Software Engineering Virtual Experience Program – Feb 2023

- Gained practical experience by understanding the assigned tasks and worked on JPMC Framework & tools to display the stock price data using Python, NodeJS, TypeScript, React

TECHNICAL SKILLS

Languages: JavaScript (ES6 +), TypeScript, Python, Java

Framework / Library: React, NextJS, Express, NodeJS, Django, Flask

Web Technology: HTML5, CSS3, Bootstrap, TailwindCSS, SASS, Headless UI

Database: MongoDB, Airtable, MySQL, SQLite, PostgreSQL, Firebase

Other Technologies: AWS, Google Cloud, Git, GitHub, Vercel, Heroku, Sanity, npm, VS Code, Canva

WORK EXPERIENCE

Software Engineer - Remote (Full Time)

Jul 2024 – Present

Groovin' You Entertainment LTD, Boston, MA, United States

- Continued enhancing and scaling the web application with Next.js on Vercel, focusing on performance improvements and feature expansions.
- Improved content delivery and storage solutions using Google Cloud for static assets, optimizing load times and reliability.
- Refined user authentication processes with Firebase Auth and Google OAuth, contributing to a secure and user-friendly authentication system.
- Advanced the UI/UX design with Tailwind CSS, implementing responsive design practices that enhanced user experience across devices.
- Played a key role in maintaining and expanding the codebase on GitHub, ensuring continuous integration and seamless team collaboration.

Full Stack Software Developer - Remote (Full Time)

Feb 2024 – Jul 2024

WebHawkx LLC, Laurel, MD, United States

- Worked on the development of a comprehensive web platform for WebHawkx's client, GYE, using Next.js to deliver a high-performance application tailored for musicians.
- Architected and implemented a client-facing website to gain customers, featuring a blog, reviews, photo galleries and view galleries, which significantly boosted customer engagement and acquisition.
- Designed and developed a support system for musicians/users, enabling efficient tracking and resolution of issues, improving overall user satisfaction and retention.
- Engineered backend processes with Airtable to ensure seamless data management, supporting dynamic content updates for gig postings, enrollments, user support and customer interactions.
- Managed secure and efficient file storage and distribution through Google Cloud Storage, optimizing website performance and reliability.
- Automated workflows and data handling using Make.com, Zapier, and Airtable Automations, which streamlined operations and reduced manual tasks.

Full Stack Developer - Remote (Contract)

May 2023 – Feb 2024

Groovin' You Entertainment LTD, Boston, MA, United States

- Demonstrated expertise in full stack development using NextJS (React), Tailwind CSS, and various technologies to design visually appealing and interactive user interfaces, delivering an exceptional user experience.
- Optimized backend functionality by utilizing Airtable's API for efficient data management and leveraging Google Cloud for lightning-fast asset storage, resulting in a 90% improvement in load speed.
- Implemented secure user authentication using Firebase and Google OAuth, ensuring seamless login and registration experiences.
- Maintained a streamlined development workflow through effective version control using GitHub.
- Successfully deployed the web application on Vercel, ensuring optimal performance and seamless accessibility for end users.

Full Stack Developer

2019 – 2021

Freelance, Chennai, India

- Designed and developed dynamic website for Local Business using React, Bootstrap for frontend and NodeJS, MongoDB for backend to promote their business online which brought 70% increase in their sales.
- With Python's NLTK, built a chat bot for the university web page with efficient search time complexity. XML and JSON were used for feeding the data.

TECHNICAL PROJECTS

Movie Watchlist (movie-home.akhilkumar.dev)

- Using React, Tailwind CSS and Firebase, created a watchlist web application where users can save their favorite movies, TV shows and developed a custom search where users can query for movies, TV shows and even the casts, crew of the show.

Hello Buddy (hello-buddy.akhilkumar.dev)

- A personalized prompt application for tracking down monthly bills and save unwanted expenses. Created using React, TailwindCSS, Firebase, Headless UI and deployed on GitHub pages.

INTERN / WORKSHOP

Intern, Wiki Techy, Chennai, India

Aug 2019

- Exposure on Cloud Computing and various cloud services like AWS Lambda, S3, EC2, CloudFront.

Intern, RE Tech Solutions, Chennai, India

Oct 2018

- Acquired core knowledge of Object-Oriented Concepts and worked on few Java mobile applications.
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