Rohan Yogananda

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PROFESSIONAL EXPERIENCE

Associate Software Engineer, *Mphasis*   06/2021 – 05/2022
Tech Stack: React, Node.js, AWS, Tailwind CSS, Redux, Firebase, TypeScript, Docker.

- Developed synchronization mechanisms for booking systems using RESTful API integration, enhancing interoperability between Amadeus and Railway provider databases **(React, Node.js, AWS.)**
- Designed an advanced front-end for the Train Ticketing System, integrating backend services to automate booking PDFs, resulting in a 3% revenue increase **(React, Tailwind CSS, Redux, Node.js, Firebase)**
- Implemented a client maintenance dashboard to efficiently manage support requests, reducing the support ticket backlog by 25% **(React, TypeScript, Docker, AWS)**

Software Engineer Intern, *Mphasis*   01/2021 – 05/2021
Tech Stack: React, Google Maps API, Redux, Firebase, Django, Selenium, Random Forest.

- Created a real-time, interactive dashboard to visualize multi-modal travel routes, optimizing a Random Forest model to achieve 92% prediction accuracy **(React, Google Maps API, Redux, Random Forest)**
- Built a responsive web application for flight and train synchronization, integrating backend services and implementing automated testing, reducing manual effort by 70% **(React, Firebase, Django, Selenium.)**

Software Engineer Intern, *Samsung Research Institute*   06/2020 – 08/2020
Tech Stack: React Native, Redux, AWS Amplify, iOS SDK, Node.js.

- Developed a cross-platform **iOS application** using **React Native** to streamline JSON output validation for the static analyzer module, improving error detection and reporting efficiency by 30% (**React Native, AWS Amplify**).
- Integrated **Redux** for state management, optimizing real-time synchronization between the mobile frontend and backend services hosted on **AWS Amplify**.

PROJECTS

Real-Time Football Score Tracker iOS App, *(Swift, Firebase Authentication, Firestore, football-data.org API, Xcode)*
- Developed a live football score tracker app using Firebase Authentication and football-data.org ↗ API to provide real-time match updates and personalized team tracking.
- Built with Swift and deployed using TestFlight, featuring a clean, ad-free user interface for enhanced user experience.

Cloud Clicker Web Application, *(Flask, AWS, JWT, RESTful API, SQLite, Docker)*
- Built a click-tracking application with JWT authentication, RESTful APIs, and a real-time dashboard.
- Deployed the app on AWS, providing a scalable solution for tracking user engagement.

Interactive Product Page, *(Next.js, HTML, CSS, JavaScript)*
- Created a responsive product page with an intuitive image gallery and custom navigation using Next.js.
- Focused on delivering a high-quality user experience with attention to visual design and usability.

Search Engine Implementation, *(Python)*
- Designed a search engine to index HTML files using a trie structure, allowing efficient search and retrieval of relevant links.
- Implemented core search functionality to return HTML links containing the searched term, optimizing search speed and accuracy.

SKILLS

Languages: Python, HTML, CSS, JavaScript, TypeScript, C++, Swift

Tools & Frameworks: AWS, Docker, Git, REST API, selenium, Xcode

Front End Development: React, Next.js, Tailwind CSS, Redux

Back-End development: Node.js, RESTful APIs, Firebase, Django

EDUCATION

Master of Science in Computer Science, *Stevens Institute of Technology*   08/2022 – 05/2024 │ Hoboken, US
CGPA: 3.9

Bachelor of technology in Electronics and communication Engineering,   09/2017 – 05/2021 │ Bengaluru, India
PES University