

# Nilesh Jain

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## Summary

A skilled and motivated **Front-End Mobile & Web Developer** with experience in **React, Android Studio, Node** and **SQL**. Demonstrated expertise in building scalable web/mobile applications and **APIs**. Achieved measurable success in reducing page load time by **20%** which lead to development of smooth and snappy application interfaces. Adept in **collaborating** with **cross-functional teams** and delivering projects **on-time** and **on-budget**.

## Experience

### Vitel Global Communications

#### Software Engineer

Dec 2023 – July 2024

- Developed and maintained mobile applications using **Android Studio** and **Kotlin**, and integrated **APIs** and third-party services like **Twilio**, **SendGrid** to include email and messaging functionalities, resulting in **18% increase** in **user engagement**.
- Leveraged the skills in **React, Node.js, Express.js** and **TypeScript** to assist in the development of a data-driven web application and **RESTful APIs**. This project improved **client-side efficiency** by **80%** and was completed in 4 months.
- Implemented user intuitive mobile/web designs for user enrollment using **Android Studio, React, Tailwind** for UI/UX, **Rest APIs**, and extensive **SQL** querying for decreasing client-side processing for a **streamlined experience**.
- Wrote **unit tests** with **96% code coverage** for all mobile/web applications using **Jest** and **Junit**, and **integration tests** for APIs to enable test automation, ensuring high product quality.
- Attended weekly/daily Standups, Retrospective, Sprint Planning, Code Review and completed story points on **JIRA** tool and worked in **Agile Methodology** in a 2-week sprint environment.

### Vitel Global Communications

#### Front-End Developer

Jan 2023 - Nov 2023

- Contributed to the migration of applications to **modern React**, contributing to a **25%** increase in application performance.
- Utilized **Redux thunk** for asynchronous actions and state management of the web application, resulting in a **25%** reduction in code complexity.
- Developed a user-friendly Job Portal app powered by **AI Heuristic Algorithms** and **SQL** querying which assisted end-clients in **pattern matching**.
- Collaborated with the back-end team to integrate user-facing elements with server-side logic, resulting in a reduction of server response time.
- Conducted comprehensive **testing** and **debugging** using **JUnit** for Android, and **Jest** for web applications, reducing bugs by **30%** and ensuring a robust and reliable user experience.

## Projects

### Exercise Break App (React.js, Android Studio, Express, Node.js, MongoDB, Kotlin, HTML, CSS)

- Designed and implemented the “Exercise Break App”, an advanced wearable mobile application for real-time heartbeat and location tracker using **COTS** software, **APIs** (Google Maps) and **MySQL** for relational database management.
- Leveraged **Android Studio, Kotlin** for mobile application with interactive widgets and **React, HTML, CSS** for user-friendly UI web application.
- Implemented **IoT connections** between wearables and mobile applications using **Bluetooth** protocols to provide users with accurate and optimized breaks.

### 15 Puzzle (Eclipse, Java, Maven, AI Heuristics, Algorithms)

- Built interactive visualizations to the game using **Java** and **Photoshop** which allows players to test their brain to the limits.
- Deployed two **AI Heuristic** algorithms that help users to progress through the game with different solutions as the AI learns new moves.
- Implemented unit tests in **JUnit**, and configured **Maven Builds** to ensure security and scalability of the application.

### Movies App (Android Studio, Dart, Flutter, Kotlin, Java)

- Developed a mobile/web friendly application similar to IMDb using **Android Studio**.
- Added widgets with animations using android **Animation APIs** in **Java** and **Kotlin**.
- Integrated with a movie database **API** to fetch and display **real-time** movie data.
- Utilized **XML** for layout design and **Java** for backend operations, ensuring seamless integration with native Android components

## Skills

**Programming:** JavaScript (ES6), Kotlin, HTML, CSS, TypeScript, Java, C/C++, Python, SQL

**Web Technologies:** Android Studio, MongoDB, Express, React, NodeJS, Flutter, Redux

**Testing:** Unit testing (Jest, CPPUnit), Test Automation

**Tools:** Git, GitHub, Docker, Maven, Gradle, Linux

## Education

University of Illinois at Chicago

**BS Computer Science | Minor in Mathematics | Dean's List | Honors College**