

Rishabh Jain

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Education

Northeastern University <i>Master of Science in Information Systems</i>	Sept 2022 – Jul 2024 <i>Boston, MA</i>
Guru Gobind Singh Indraprastha University <i>Bachelors of Technology in Computer Science and Engineering</i>	Aug 2017 – Jul 2021 <i>Delhi, India</i>

Work Experience

Full-Stack Engineer **July 2023 – Present**
Fidelity Investments | Tech Stack: Python, Java, Spring Boot, Angular, Typescript, Docker, Rest API *Boston, MA*

- Developed and enhanced the user interface (UI) of the internal document querying application, "ChatWS," built on the ChatGPT platform, resulting in improved user experience, Successfully **modernized the application's backend codebase by migrating from Java to Python, achieving a remarkable 2-second reduction in latency**
- Implemented a document chunking system, which facilitated the efficient ingestion of data into a vector database in the form of embeddings, enhancing data retrieval capabilities
- Contributed to the development of a unified search platform by indexing Frequently Asked Questions (FAQs) into AWS Kendra, enabling cross-source search functionality within Fidelity

Research Assistant (Machine Learning) **Oct 2022 – Apr 2023**
Northeastern University | Tech Stack: Python, Pandas *Boston, MA*

- Created a machine learning model to predict heart conditions based on ECG waves and classify risk of heart-related diseases with at least 50% accuracy, passionate to build something for masses in the health industry
- Analyzed health of family members by aggregating data from smart health devices in a home, ensuring prevention of critical diseases. Stored data securely on a cloud-based platform, making it easily accessible to all members of family

Android Engineer (Software Engineering) **Feb 2021 – Aug 2022**
Clapingo Education | Tech Stack: Java, Kotlin Coroutines, Jetpack Compose, Retrofit, WebRTC *Delhi, India*

- Optimized Kotlin code base of an application utilizing MVVM architecture, resulting in a reduction of launch time from 2.1 seconds to 768 milliseconds and scaling without compromising app performance
- Improved performance and user experience of an application by developing a utility class included re-usable UI-XML components, reducing application download size from 76 MB to 54 MB through implementation of Android bundles
- Worked closely with a focused team in a collaborative way, utilizing Agile/Scrum principles to build applications and platform features, following approach resulted in faster development of features and contributed to a significant **increase in app downloads from 5000 to 250,000**

Full-Stack Developer **Aug 2020 – Jan 2021**
Ved World PVT LTD | Tech Stack: Java, XML, Firebase, Realtime DB, Tensorflow Lite *Mumbai, India*

- Led a team of 5 developers in building a mobile platform from scratch, resulting in **120,000 downloads**
- Planned and implemented the UI/UX for a mobile application, received an average rating of 4.4 stars on Google Play
- Collaborated with cross-functional teams, including product, design, and marketing, to define, design, and ship 10+ new features, resulting in a 16% increase in user retention and a 22% increase in revenue

Projects

ERP and BI Tool for Export Houses | *AngularJS, NodeJS, ExpressJS, MVC, MySQL, Sequelize ORM* **Apr 2022**

- Built an enterprise resource planning software, employing **MVC Architecture** to make it scalable and efficient, along with **integration of ORM to simplify complex SQL Joins and Queries on MySQL database**
- Constructed an AI Based BOM generation tool using GAN, to **decrease manufacturing process time from 4 weeks to 3 weeks** along with establishing Salting as a Hashing technique to store user's credential to ensure security and protection

Design Tracking and Performance Analysis App | *Kotlin, Jetpack, REST API, MVVM* **Apr 2021 - Jun 2021**

- Designed and implemented a platform for administrators, included features such as a notification system, task assignment, and an E-Catalogue system, platform helped to increase efficiency, with a 70% improvement in flow of application
- Developed design tracking application using Kotlin, resulting in 86% reduction in processing time for potential buyers to select designs, from one week to one day

Technical Skills

Languages: Core Java, Kotlin, HTML/CSS, NodeJS, AngularJS, JavaScript, SQL, MongoDB, JSON, AJAX

Developer Tools: VS Code, Android Studio, AWS, Firebase, Git, GitHub, Bit Bucket, Postman, JIRA, OracleDB, Swagger

Libraries/Frameworks: Android, MVVM, Jetpack, Ktor, RxJava, Express, React Native, Flutter, Spring Boot, Swing Algorithms, Data Structures, Object Oriented Programming, JUnit, Mockito, RESTful API, SpringMVC, Docker

Community Service

President at Boston Rotaract Club, MA (Jul 2023 - Present)

Treasurer at Boston Rotaract Club, MA (Sept 2022 - Jun 2023)

Vice-President at Rotaract Club of Ignited Youth, Delhi, IN (Jul 2021 - Jun 2022)

Certifications

Data Science Professional Certificate by IBM (Dec 2022)

Azure Cloud Fundamentals by Microsoft (Jun 2021)