

MANSI KHANNA

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SUMMARY:

Forward-thinking **Full Stack Developer** with **5+** years of experience in the Fintech and Insurance sectors. Proficient in **Java, Angular, C#, mobile and WPF** with a proven track record of delivering high-performance web applications. Dedicated to continuous learning and adept at implementing innovative solutions to complex problems.

TECHNICAL SKILLS:

- **Languages/Libraries:** C#, Java, Python, R, JavaScript, Typescript, MEAN/MERN, React, HTML, CSS, SCSS, .NET, .NET Core, Flutter.
- **Frameworks:** Angular, Spring, Springboot, WPF .net
- **Architectures:** Microservices, monorepo
- **Databases:** MySQL, Microsoft SQL, MongoDB, Oracle
- **Tools:** Git, Jenkins, Spring MVC, Jira, Azure, AWS, REST APIs, Postman, Insomnia, Visual Studio, VSC, Android Studio, IntelliJ, Swagger

PROFESSIONAL EXPERIENCE:

FlexTrade Systems

Milwaukee, WI

Software Engineer

Sep 2024 to Current

- Improved gRPC API response time by **~15%**, enhancing microservices written in **Python, C#, and Golang** to support low-latency trade data retrieval and generating client-specific reports used by over **50 institutional users**.
- Built and enhanced core modules for a high-volume Order Management System (OMS) handling **5,000+ trades per hour**, including server config management on **Linux, MySQL** backend interaction, and **CI/CD deployment** via Jenkins for **10+ client environments**.
- Designed and delivered **20+ end-of-day** reporting solutions in **Scala and XML** for hedge funds, automating trade and security master data delivery across multiple financial instruments, ensuring accurate reporting to Prime Brokers and Fund Admins.

Fidelity Investments INC.

Boston, MA

Software Engineer

Dec 2022 to Mar 2024

- Developed a **high-volume trade support application**, automating portfolio actions to handle thousands of trades daily.
- Led the architecture and implementation of error reduction rules using the Spring framework, achieving **99% efficiency** and significantly reducing trade.
- Integrated a **chatbot** with **Microsoft Teams** to assist users with day-to-day activities and log feedback.
- Responsible for orchestrating **biweekly** production releases deployed into **AWS platform** including EC2 to EKS migration.
- Liable for migrating **3+ Single Page Applications (SPAs)** and a large front-end application from **Angular 8 to 15** into a centralized Monorepo for shared UIs.
- Practiced **Test Driven Development (TDD)** in both **Java and Angular** using **Karate, Cucumber, Junit, jest, and cypress** using optimized coding practices for better code coverage and delivery.
- Gathered application usage statistics from **Snowflake** into **Power BI** reports, improving business decision-making time by over **25%**.

Rutgers, The State University of New Jersey.

New Brunswick, NJ

Research Assistant

Oct 2021 to Oct 2022

- Developed an application to analyze the COVID-19 cases around the country using data from the **NSF and NIH**, featuring anonymous users symptom input.
- Enhanced the attention areas using Google Maps APIs that have a wide spread of COVID-19 based on the **density** of the cases using **Angular** for web and **Android studio** for mobile.

LTI – L&T Infotech (Truist/BBnT)

Pune, India

Sr. Software Engineer.

July 2017 to Aug 2021

- Build multiple single-page web applications using **Angular & WPF** applications to handle quotes, agencies, and document insurance claims.
- Spearheaded a **team of 7** offshore members to meet client requirements, resulting in timely delivery of projects during agile cycles.
- Devised concurrent user insurance claim using microservice architecture to improve **reduced latency by 35%**.
- Developed **REST APIs** to process the information of insurance vendors along with authorization of mail transactions between vendors and respective customers using **.net onion domain-based architecture**.
- Administered the digital portfolio for MyTravelers, to create a claim handling platform to manage claims raised by users in the claim portal while modularizing the payment method and generating testing scripts to be processed by the selenium user interface.

EDUCATION:

RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY

Newark & New Brunswick

Master's in information technology and Analytics

Dec 2022

Mumbai University

Mumbai, India

Bachelor of Engineering in Electronics Engineering

May 2017