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

- Leveraging and improving **gRPC API performance by 15%**, utilizing Python, C# and Golang endpoints to write **high latency trade queries** and creating reports according to client requirements.
- Creating and improving features for flagship **high volume** trading **(1000s of trades every hour) Order Management System (OMS)**, writing **server configurations in Linux**, interacting with MySQL backend, and running Jenkins builds, for new and existing client implementations
- Developing **End of Day Trade, Security Master reports in Scala, XML for different Hedge funds** reporting to Prime Brokers, Fund Administrators covering various products like Equities, Interest Rate Swaps, FX Securities.

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.
- Designed and implemented a system for **early detection of potential trade errors**.
- 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.
- Revamped UIs to allow the portfolio services team to rebalance portfolios and 'equitize' cash.
- 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 an**d 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%**.
- Enhanced semantic logging to capture the information about service calls to provide data sets to the **Azure portal** and plan future business strategies.
- Active member of weekly sync-ups between clients, business analysts, architects, developers, and quality assurance team members to discuss and resolve any defects in the design.
- 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
Master's in information technology and Analytics

Newark & New Brunswick
Dec 2022

Mumbai University
Bachelor of Engineering in Electronics Engineering

Mumbai, India
May 2017