KHYATHI CHITTINENI
SOFTWARE ENGINEER

(716) 276-0142 | **khyati.ch@mycvhire.com** | **LinkedIn** | **Seattle, WA**

SUMMARY

- 3.5 years of experience in the complete software development lifecycle, with expertise in building scalable, high-performance applications that address complex business requirements.
- Proficient in crafting modern web applications using a diverse tech stack, including Java, C++, C#, Python, Kafka, Spring Boot, .NET, React.js, Node.js, TypeScript, GraphQL, and Docker, ensuring robust and maintainable solutions.
- Proficient in using ORM frameworks for relational databases like MySQL and PostgreSQL, as well as NoSQL databases like MongoDB.
- Experienced in Agile/Scrum methodologies with strong communication skills and a proven ability to collaborate effectively with cross-functional teams to deliver high-quality software.

EXPERIENCE

M&T Bank, New York   **Feb 2024 - Current**
Software Engineer

- Developed a real-time trade metrics dashboard using **Java**, **Spring**, **Kafka**, and **React.js**, delivering actionable insights with real-time updates and interactive visualizations for daily users, reducing decision-making time by 30% and enhancing operational efficiency.
- Designed and implemented high-performance **REST API**s in **Java Spring Boot** to process payloads for financial products, seamlessly integrating with **Apache Kafka** for real-time data streaming.
- Optimized search performance by 50% for bond data retrieval by configuring and scaling **Elasticsearch** clusters, improving response times for critical financial queries.
- Achieved 99.99% system uptime and reduced duplicate message processing by 95% by developing an Active-Active Messaging Framework using **Apache Kafka** and **Redis**.
- Managed reliable data persistence of over 1 million messages daily into **PostgreSQL**, ensuring robust backups and seamless integration with real-time systems.

Broadridge Financial Solutions, India   **Sep 2021 - June 2022**
Software Engineer

- Built a scalable data feed service processing 5 million contracts daily, improving efficiency by 25% and enhancing risk management with real-time validation.
- Developed secure payment gateway portals for leading banks, enabling $10M+ in monthly transactions with robust compliance and data protection using **Java Spring** Framework and **JWT**.
- Automated data certification workflows using **Apache Airflow** and **Python**, reducing processing time from 8 hours to 30 minutes, boosting efficiency by over 90%, and improving financial data availability by 40%.
- Enhanced database performance and implemented **Redis** caching, boosting system efficiency by 40%, lowering cloud costs, and ensuring 99.9% data integrity for high-volume financial operations.

Zensar Technologies, India   **Jan 2020 - Aug 2021**
Software Engineer

- Migrated an enterprise **Node.js** component to **AWS Lambda**, improving execution speed by 40% and reducing memory usage by 30%.
- Enhanced **MongoDB** query execution by restructuring queries and implementing indexing strategies, reducing admin list view load times by over 35x, significantly improving data retrieval speed and user experience.
- Refactored legacy functionalities into scalable APIs using **Spring MVC**, achieving 90%-unit test coverage and enhancing code maintainability by 40%.
- Improved execution speed of a shared job service across 10+ microservices by 40% through database optimization using Hibernate and **MySQL** partitioning.
- Streamlined release processes by configuring CI/CD pipelines with **Git**, **Jenkins**, and **Maven**, enabling automated builds, security scans, and blue-green deployments, reducing release times by 60%.

SKILLS

Methodologies:	SDLC, Agile/Scrum
Programming Language:	C, C++, Java, C#, Python, Solidity
Frameworks/Libraries:	Spring Boot, Spring MVC, Django, Flask, .NET, React.JS, Node.JS, Express.js, GraphQL
Web Technologies:	HTML5, CSS3, JavaScript, jQuery, Ajax, JSON, XML, Redux, TypeScript, RESTful API, Bootstrap
Cloud and Testing Tools:	AWS (EC2, SNS, Elastic Beanstalk, Lambda, Code Deploy, and CloudWatch), GCP, Azure Postman, SOAP UI, Mockito, Junit
Database:	MySQL, PostgreSQL, Redis, Oracle, NoSQL (MongoDB)
CI/CD and Infrastructure Tools:	Maven, Gradle, Jenkins, Docker, Git, GitHub, Kubernetes, Kafka, RabbitMQ

EDUCATION

Masters in Computer Science and Engineering | University at Buffalo, (Buffalo, NY)

Bachelor of Technology | Indian Institute of Technology, Mandi, India