

Sharon Bagadam

Charlotte, NC 28027 | +1 614-7387372 | [GitHub](#) | [Portfolio](#)



PROFILE SUMMARY

Innovative Software Development Engineer with 2 years of experience designing scalable, high-performance solutions in distributed computing environments. Proficient in Java, Python, C# with expertise in object-oriented design and agile methodologies. Experienced in creating fault-tolerant, cost-effective distributed storage and query systems. Skilled in collaborating with cross-functional teams to deliver customer-focused, industry-defining products that impact millions of users globally.

EDUCATION

Master of Science - Franklin University

Sep 2022 - May 2024

Bachelor of Science - Osmania University.

Jun 2017 - Jun 2020

TECHNICAL PROFICIENCIES

Programming Languages: Kotlin, Java, Python, JavaScript.

Android Development: Android Studio, MVVM, Clean Architecture, Retrofit, Dagger.

Methodologies: SDLC, Agile, Scrum, KanBan

Frameworks/Libraries: Spring Boot, React.js, Node.js, GraphQL, Redux.

Web Technologies: HTML5, CSS3, JavaScript, Bootstrap5, jQuery, Ajax, JSON.

Cloud: AWS (Lambda, DynamoDB, S3, EC2, RDS), Azure (VM, Functions, Azure SQL), Azure DevOps.

Database: SQLite, MySQL, PostgreSQL, MongoDB.

CI/CD and DevOps tools: Git, GitHub, Jenkins, Docker, Kubernetes, Postman.

WORK EXPERIENCE

Software Development Engineer – Citi Group, Charlotte, NC

Mar 2024 – Present

- Designed, developed, and maintained scalable, high-performance applications within a microservices-based architecture using **Java** (Spring Boot), resulting in a **35%** improvement in system reliability and faster deployment cycles for enterprise systems.
- Developed and consumed **RESTful and GraphQL APIs**, applying best practices in versioning, pagination, and security (**OAuth2/JWT**), which improved client-server communication efficiency by **40%** and reduced integration issues by **25%**.
- Integrated **Apache Kafka** for asynchronous, event-driven communication between services, enabling real-time data streaming and reducing inter-service latency by **50%** through effective system decoupling.
- Built and maintained **CI/CD** pipelines using **Jenkins, GitLab CI, and GitHub Actions** with automated testing, **Docker** builds, and **Kubernetes** deployments, cutting release cycle times by **60%** and minimizing manual deployment errors.
- Optimized **SQL** queries and database performance in **PostgreSQL, and MS SQL Server** by applying indexing strategies and query tuning, resulting in **45%** faster query execution and improved performance for real-time analytics.
- Developed unit, integration, and contract tests using **JUnit, Mockito**, and Test containers, achieving over **90%** test coverage and significantly reducing production bugs and service downtime.
- Followed secure coding standards and integrated secret management tools like **AWS Secrets Manager**, ensuring compliance with industry regulations (GDPR, ISO 27001) and reducing potential security vulnerabilities by 70%.

Software Development Engineer – Wipro, Hyderabad, India

Jan 2022 – Aug 2022

- Developed scalable **control system** software for industrial equipment using **microservices architecture**, improving **data processing** efficiency and **system reliability** by **25%**.
- Led sprint planning sessions to **prioritize** features and bug fixes, enhancing team collaboration and ensuring timely delivery of application updates using **Agile methodologies** like **Scrum** and tools such as **JIRA** and **Confluence**.
- Developed Android applications using **Kotlin**, optimizing real-time monitoring systems and achieving **25%** better data processing efficiency. Improved Android application performance by using **Android Profiler** and **Memory Analyzer tools**, reducing app memory usage by **30%**.
- Refactored legacy Android codebases with **MVVM architecture**, enhancing app maintainability and responsiveness. Conducted unit and UI testing with **JUnit** and **Espresso**, ensuring **95%** code coverage for critical Android modules.
- Led Agile sprint planning and backlog grooming sessions using Scrum methodologies and tools such as JIRA and Confluence, improving delivery timelines and team productivity.
- Documented technical workflows, architectural diagrams, and release plans in Confluence to support better cross-functional collaboration and knowledge transfer.

PROJECTS

eBay Real-Time Price Prediction Engine – Python | Java | SOAP Web Services | **Franklin university** |

Jan 2024 – Mar 2024

Project Overview: Developed a dynamic **AI- and ML-powered price prediction engine** for MarketX that analyzes eBay product listings in real-time and forecasts price trends based on multiple market factors. The engine integrates **SOAP Web Services** to gather live data and applies **machine learning and AI algorithms** for intelligent, data-driven predictions and adaptive learning.

Technologies Used: **Python** for building and training ML/AI models; **Java** for backend service integration; **SOAP Web Services** for real-time eBay data collection; **MySQL** for managing and analyzing large historical datasets.

Key Achievements: Achieved Over 90% in real-time price forecasting using AI-driven models, improving market trend prediction efficiency. Enhanced data processing speed by 40% through optimized SOAP integration and automated ML workflows.

CERTIFICATION

- Azure Certified Developer Associate | [AZURE](#). Azure Certified AI Engineer Associate | [AZURE](#). • AWS Developer | [AWS](#)