

RAHOOL GIR

Senior Software Engineer | Java · Microservices · Full-Stack | Fintech & Core Banking

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PROFESSIONAL SUMMARY

Software Engineer with 3 years 8 months of hands-on production experience building enterprise Core Banking and Fintech systems. Specialized in microservices architecture, REST API development, and full-stack engineering using Java, Quarkus, Spring Boot, Node.js, and Vue.js. Successfully contributed to AL-Habib Bank's Core Banking System — one of Pakistan's leading banking platforms — building Trade Finance (Import/Export) modules, automated transaction reconciliation workflows, and Teller Module features processing thousands of daily transactions. Proficient with Docker deployments, AWS cloud services, and SQL/NoSQL databases. Actively expanding expertise in React.js and MongoDB.

TECHNICAL SKILLS

Backend: Java, Spring Boot, Spring MVC, Spring Security, Quarkus, Node.js, REST API, Microservices, OOP, SOLID Principles, Maven

Frontend: Vue.js, React.js, XState, JavaScript (ES6+), HTML5, CSS3, Bootstrap

Database: MySQL, SQL (Advanced), MongoDB, PostgreSQL

Cloud & DevOps: AWS (EC2, S3, RDS, Lambda), Docker, Git, GitHub, CI/CD basics

Tools: IntelliJ IDEA, Cursor, VS Code, Postman, Swagger/OpenAPI, Jira, Linux Terminal

Domain: Core Banking Systems, Trade Finance, Transaction Processing, Financial Workflows, SBP Regulatory Compliance

WORK EXPERIENCE

Senior Software Design Engineer

TereSol PVT. LTD. · 18 July 2022 – Present · Karachi, Pakistan · 3 Years 8 Months

Project: AL-Habib Core Banking System — Enterprise Production Banking Platform

- Engineered Trade Finance modules (Import & Export) for AL-Habib Bank's Core Banking System, enabling processing of high-volume cross-border financial transactions in full compliance with State Bank of Pakistan (SBP) regulatory standards
- Built Teller Module features including outward bill clearing and credit card fund transfer workflows, directly improving transaction reliability and speed for bank tellers handling daily customer operations
- Developed Back Office financial workflows that automated manual banking processes, reducing operational delays and improving efficiency for the bank's back office team
- Automated transaction reconciliation pipelines within the Core Banking System, significantly increasing data accuracy and eliminating manual intervention in daily financial close operations
- Architected and consumed RESTful APIs using Java, Quarkus, and Spring Boot within a distributed microservices architecture, ensuring scalable and high-performance inter-service communication
- Built Vue.js frontend modules with XState for complex state management, delivering responsive and reliable banking UIs; collaborated across full-stack in Agile sprint cycles

Stack: Java · Spring Boot · Quarkus · Node.js · Vue.js · XState · REST API · Microservices · MySQL · Docker · AWS · Git

C# Developer — Trainee

Media Monitors · Jan 2021 – May 2021 · Karachi, Pakistan

- Designed and implemented web application modules using C# and ASP.NET MVC, applying clean architecture and MVC design pattern principles to ensure maintainable and scalable code
- Enhanced data parsing and processing routines for media content pipelines, improving report generation accuracy and reducing processing time for the operations team
- Collaborated with senior developers during code reviews, gaining hands-on experience with enterprise C# development standards and deployment workflows

Stack: C# · ASP.NET MVC · SQL Server · HTML · CSS · JavaScript

Web Design Intern

Abtach PVT. LTD. · Jun 2021 – Aug 2021 · Karachi, Pakistan

- Designed and developed responsive, cross-device web interfaces using HTML5, CSS3, and JavaScript, ensuring consistent UI experience across desktop and mobile platforms
- Created interactive UI prototypes incorporating iterative client feedback, improving design-to-development handoff accuracy and reducing revision cycles
- Worked closely with design and development team to translate wireframes into functional, pixel-perfect web pages meeting client requirements

Stack: HTML5 · CSS3 · JavaScript · Responsive Design · UI/UX

EDUCATION

B.Sc. in Computer Science

Sindh Madressatul Islam University (SMIU), Karachi · 2018 - 2022

Key Courses: Data Structures & Algorithms · Object-Oriented Programming · Database Management Systems · Operating Systems · Computer Networks · Software Engineering · Machine Learning & AI · Discrete Mathematics · Linear Algebra · Web Technologies

Final Year Project: Fake News Detector — Deep Learning & NLP System

- Built LSTM and CNN neural network architectures trained on 40,000+ news articles, achieving 92%+ classification accuracy in detecting fabricated content
- Engineered full NLP pipeline: TF-IDF feature extraction, tokenization, stop-word removal, and word embeddings to identify misinformation patterns
- Developed React.js + Flask web application for real-time news verification, serving the trained ML model via REST API to end users
- Optimized data preprocessing pipeline, reducing model training time by 35% while maintaining classification accuracy

Stack: Python · TensorFlow/Keras · LSTM · CNN · NLP · Flask · React.js · Bootstrap · MySQL

CERTIFICATIONS & TRAINING

Java & Data Structures and Algorithms (DSA) · Apna College · Nov 2024 - Feb 2025

Topics Covered: Java Fundamentals · OOP · Collections Framework · Exception Handling · Multithreading · Data Structures (LinkedList, Stack, Queue, Trees, Graphs) · Algorithms (Sorting, Binary Search, Recursion, Dynamic Programming, BFS/DFS)

Problem Solving (Intermediate) · HackerRank · Jan 2024

SQL (Advanced) · HackerRank · Apr 2024

Available for Onsite & Remote Opportunities | Notice Period: Negotiable | Open to Relocation