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SUMMARY

Passionate Software Engineer with experience in Android development (Java), REST APIs, and QA testing. Skilled in GitHub, JUnit, Postman, Selenium, and Firebase. Strong in SDLC, debugging, and Agile. Currently focusing on data analysis, SQL querying, and Power BI dashboard development to deliver actionable insights.

EDUCATION

University of Jeddah

2019-2024

*Bachelor of software engineering, College of computer science and engineering
GPA: 4.73/5 (Graduated with Honors)*

EXPERIENCE

Smart Methods – Jeddah (IOT Trainee)

Jul 2023- Aug 2023

- Developed an Arduino-based IoT system for real-time sensor data transmission
- Participated in hardware/software integration workshops
- Built a simulation of remote-controlled devices with sensor input
- Tools used: C++, Arduino IDE, ESP8266, GitHub
- Improved debugging and circuit prototyping skills

PROJECTS

Graduation Project-IoT-Based Smart Parking Management Application

Mar 2023 - Dec 2023

- Designed and built a full-stack mobile app using Android Studio and Java
- Integrated IoT sensor data using Firebase Realtime Database
- Features: parking availability, QR check-in/out, usage analytics
- Tools: Android SDK, Firebase, REST APIs, Arduino
- 120+ hours of development | 10+ API endpoints

Capstone Project - Software Quality Assurance

May 2024

- Led QA testing phase using Postman, JUnit, and Selenium
- Created and executed 40+ test cases for user interface and API
- Applied Agile practices and sprint planning via Jira
- Set up GitHub project board and repository collaboration

COURSES

- Software Testing Bootcamp, *Saudi Digital Academy*- Feb-May 2024
- Introduction to Software Testing, Univ. of Minnesota (Coursera)- January 2024
- Introduction to Automated Analysis, Univ. of Minnesota (Coursera)- January 2024
- Android Academy training, BambooGeeks- July 2023

Technical Skills

- Programming: Java (Advanced), Python (Advanced), SQL Data Visualization: Power BI (Beginner).
- Mobile & Tools: Android Studio, Firebase, REST APIs, XML, UI.
- Testing & QA: JUnit, Selenium, Postman, TestNG, UI automation, Manual testing.
- Version Control & CI/CD: GitHub, GitHub Actions.
- Project Management: Jira, Trello, Agile/Scrum, SDLC.

LANGUAGES

Arabic / Native | English / Professional

