# Arooba Shahoor

## FULL STACK DEVELOPER

## Summary

With 3 years of full-stack web development experience, I bring a blend of technical prowess and creative finesse to the table. From obtaining a scholarship for Masters to receiving Distinguished Paper award at ACM conference, my journey has been quite the ride! Rooted in integrity and relentless effort, I aim to craft digital experiences that truly connect.

## Work Experiences

### 2022 – 2024
### COMPUTER SCIENCE RESEARCHER
Kyungpook National Unversity, Daegu

- As a researcher at KNU, I focused on automating the repair of **memory leaks** in single-page web applications (SPA), by fixing Abstract Syntax Tree (AST) of the SPA apps written in **Vue, React** and **Angular**.

- My second project investigated **blocking call bugs** in **reactive Java** applications. Examined root causes of such bugs and why they are overlooked by developers, through targeted pull requests.

### January 2022 – April 2022
### FULL STACK DEVELOPER
Nova, Islamabad

Led a team on implementing features for Thrift web app with an admin dashboard and user interface, using **React, Node**, and **Express** frameworks. We worked on its database management (**MySql**), and integrated features like Smart Search for efficient and hassle-free selling experiences.

## Skills & Expertise

- **Backend:** Flask, Django, SpringBoot, Node js, Express

- **Frontend:** Javascript, React, Vue, Angular, Flask, Django

- **Database Management:** SQL, NoSQL

- **CI/CD** (Beginner), **Git** (Intermediate)

## Education

### 2022 – 2024
### MASTERS IN COMPUTER SCIENCE AND ENGINEERING
Kyungpook National University, South Korea

During my Master's at KNU, I developed LeakPair, an automated tool to fix **memory leaks** in **Single Page Applications**. Our research earned a publication at the IEEE/ACM International Conference on Automated Software Engineering (ASE 2023), where we received the prestigious ACM **Distinguished Paper Award**.

**2019 – 2022**

## SOFTWARE ENGINEER

Stellar Minore, Islamabad

Managed end-to-end development for e-commerce ventures, aligning frontend (**React**) and backend (**Node, Express**) systems seamlessly. Responsibilities included UI design (**SCSS, Bootstrap**), server-side architecture, and database management (**MariaDB**).

**2018 – 2019**

## SOFTWARE QUALITY ASSURANCE ENGINEER

AT Tech and Softorea Solutions, Islamabad

- At AT Tech, I developed automated test scenarios in **Java** using **Selenium** for dynamic testing of the Dr. iQ website. Collaborated closely with development teams to troubleshoot and verify fixes of bugs, ensuring the software meets functional and performance requirements.

- At Softorea Solutions, I performed SQA responsibilities while training as an intern for full-stack web development, using **Angular** at the frontend and **ASP .Net Core (C#)** at the backend.

## Courses

**April 2024**

### COMPLETE NODEJS DEVELOPER (GRAPHQL, MONGODB, + MORE)

Udemy

**January 2024**

### FULL STACK: ANGULAR AND JAVA SPRING BOOT E-COMMERCE WEBSITE

Udemy

**March 2021**

### SERVER-SIDE DEVELOPMENT WITH NODEJS, EXPRESS AND MONGODB

Coursera

**April 2020**

### THE COMPLETE REACT DEVELOPER COURSE (W/ HOOKS AND REDUX)

Udemy

**2014 – 2018**

## BACHELOR OF SOFTWARE ENGINEERING

Fatima Jinnah Women University, Rawalpindi

My Bachelor's Final Year Project involved creating a **static analyzer** for **mission-critica**l systems coded in **C#**. This tool checked code compliance with official coding standards. Our project findings were published in **IEEE** journal.

## References

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