

Syed Talal Abbas Jafri

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EDUCATION

University of Waterloo - 3.7/4 GPA

Waterloo, Canada

Master of Engineering (MEng), Electrical and Computer Engineering (Software Eng Specialization) Sep 2023 – Aug 2024

- **Relevant Courses:** ECE 606 - Algorithm Design and Analysis, ECE 650 - Methods and Tools for Software Engineering, ECE 651 - Foundations of Software Engineering, ECE 653 - Software Testing, Quality Assurance, and Maintenance, ECE 657 - Data and Knowledge Modelling and Analysis, ECE 657A - Tools of Intelligent System Design

Shaheed Zulfiqar Ali Bhutto Institute of Science and Technology

Karachi, Pakistan

Bachelor's in Computer Science

Aug 2017 – Jul 2021

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Python, C#, Java, SQL, Bash

Frontend Technologies: React.js, Next.js, Redux, Tailwind CSS, MUI, SASS, Angular

Backend Technologies: Node.js, Express.js, NestJS, Java Spring Boot, Django, REST APIs, GraphQL, .Net

Databases: MongoDB, PostgreSQL, MySQL, Redis, Firebase, AWS Redshift

Cloud & DevOps: AWS, Docker, Kubernetes, CI/CD (GitLab, Jenkins, Circle CI, Ansible, Terraform), Azure, Kafka

Other Technologies: Elasticsearch, Pytorch, Postman, LLM, Machine Learning, Prompt Engineering, Grafana

Testing & Automation: Jest, Mocha, Cypress, Puppeteer, JUnit, Selenium, Playwright

Additional Skills: MERN Stack Development, API Development, Performance Engineering, Linux Network Stack, Multi-Threading, Concurrency, Event-Driven Architecture, Data Analysis, Visualization, Microservices

EXPERIENCE

Adfire Health

Karachi, Pakistan

Full Stack Developer

May 2022 – Jun 2023

- Led the development of scalable microservices using **Node.js** and **Django**, improving backend performance by 35% and handling high-traffic user requests efficiently; integrated **Kafka** for real-time data streaming and **Docker** for containerization.
- Optimized database interactions using **MongoDB** and **PostgreSQL**, reducing query times by 25%, while enhancing the system's search capabilities through **Elasticsearch** and improving data visualization using **JavaScript**, **TypeScript**, **React.js**, and **Next.js**.
- Created automated test cases using **Jest** and **Mocha**, ensuring the reliability of critical microservices, and performed backend testing on a **Linux** environment to enhance performance and security.

SYSTEMSLIMITED

Karachi, Pakistan

Full Stack Developer

Feb 2021 – May 2022

- Developed and deployed microservices using **Spring Boot**, **Node.js**, and **Kubernetes**, ensuring system scalability; automated infrastructure provisioning and configuration using **Ansible** and streamlined deployment pipelines using **GitLab** and **Jenkins**, cutting release cycles by 20%.
- Led cloud migration efforts on **AWS**, improving infrastructure scalability and reducing operational costs by 25%; integrated secure payment gateways like **Stripe** and **PayPal**, enhancing conversion rates by 15%. Developed **unit tests** with **JUnit** and conducted system testing in a **Linux** environment to ensure seamless deployments.

VENTUREDIVE

Karachi, Pakistan

Full Stack Development Intern

Nov 2020 – Feb 2021

- Created reusable front-end components using **React.js** and **Tailwind CSS**, improving UI consistency and development speed; built backend services with **Node.js** and **Express.js**, reducing response times by 15%.
- Worked in a **Linux** environment, contributing to test case creation and deployment automation for microservices using **CI/CD** tools like **Jenkins** and **GitLab**.

PROJECTS

Real-time Recruitment Platform (Microservice App) | *React.js, Next.js, Spring Boot, AWS, Docker, Kubernetes, Jenkins.*

- Led development of a real-time recruitment platform using **React.js**, **Spring Boot**, and **Docker** with orchestration via **Kubernetes**. Implemented **Jenkins CI/CD** pipelines, reducing deployment time by 30%.

CERTIFICATIONS

Decoding DevOps Certification

Udemy

Certification

Oct 2024

- Completed DevOps training focusing on CI/CD, Docker, Kubernetes, and automation tools. [Course Link](#).