Rukhsar Rashid Khan

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https://rukhsarrkhan.github.io/portfolio_website/

SKILLS

- Programming languages: Golang, Python, Kotlin, Java, Django
- Database Technologies: Cassandra, MySQL, MongoDB, Snowflake
- AWS Services: S3, Lambda, Cognito, IAM, Glaciers, EC2, SNS, SES, Cloudwatch
- Web Technologies: React JS, Redux, Node JS, ExpressJS, AngularJS, JavaScript, GraphQL, Tailwind
- Technologies/ Framework: Kafka, Github, Jira, Jenkins, Docker, Microservices, Agile, REST, JSON, JQuery
- Operating Systems: Windows, Linux, Unix, Android

PROFESSIONAL EXPERIENCE

Graduate Peer Leader, *Stevens Institute of Technology*   Aug 2023 – Dec 2023
- Cultivated impactful peer-mentor bonds with over 10 mentees through sustained, regular communication.

Digital Technology Intern, *Star Union Dai-ichi Life Insurance Company*   Jun 2023 – Jul 2023
- Enhanced "YouMatter" **Android** app's Home Screen using **Java**, **Kotlin** and **XML** in **Android Studio**, resulting in a **25%** boost in user engagement and improved navigation efficiency.

Senior Software Engineer (Full Stack), *ConnectWise LLC*   Jul 2021 – Jul 2022
- Directed a 6-person team in creating a **React JS** Endpoint Detection & Response product, enhancing security for **400+** partners with **OVAL**-based vulnerability scanning.
- Built **Golang** and **Cassandra** backend microservices with advanced plugins, **Kafka** and **REST** API, achieving 30% faster responses and 40% higher efficiency in device scanning.
- Engineered an Ansible-Jenkins **CI/CD** pipeline for 9 microservices, leading to seamless software integration with zero rollbacks or forwards.

Software Engineer - I (Full Stack), *ConnectWise LLC*   Jul 2019 – Jul 2021
- Developed interactive forms in **Angular JS** for a Risk Assessment tool, achieving **NIST** cybersecurity compliance for **500+** partners.
- Enhanced SDLC in 5 projects by integrating **Agile** SCRUM and GitHub, improving team efficiency and product quality.
- Presented **AWS** log retention architecture to 20+ stakeholders, securing audit-compliant data archiving.Automated incident ticketing in SentinelOne **SIEM** with **Golang**, boosting NOC productivity by 50%.
- Built **PySpark** scripts for data migration from **Cassandra** to Snowflake, enhancing data analysis and product insights.

PROJECTS

BlogSphere Dynamics 🔗   Jan 2024 – present
- Engineered a dynamic blog site with **Django**, delivering a seamless, secure user experience through advanced data handling and security protocols.
- Implemented Django's authentication system for secure user access and data integrity, increasing platform trust.
- Transformed the user interface using Crispy Forms and customized profiles, elevating user interaction and aesthetics.

Nurture Nest, *Stevens Institute of Technology, Hoboken* 🔗   Jan 2023 – May 2023
- Led a 5-person team on a **MERN** project to streamline childcare management, hiring and communication.
- Developed a Register/Login system using **React JS**, **JavaScript**, **Redux**, and **Firebase**, featuring Google Sign In and Forgot Password options for smooth authentication.
- Incorporated **Socket IO** for multi-user chat and designed a **MongoDB** database model for the application.

Nirwana-Escape from reality, *Stevens Institute of Technology* 🔗   Aug 2022 – Dec 2022
- Achieved creation of a feature-rich **React JS** application enabling song playback, playlist creation, and song sharing.
- Led development of the **Admin** portal, driving the seamless song uploading to **S3** within a robust **Node Js** backend.
- Successfully executed the implementation of **Redux** to effectively manage data flow across components, designed a streamlined Mongo data model, and expertly handled **Authentication** and **Authorization** through **JWT**.

EDUCATION

Master of Science, Computer Science (CGPA: 3.85/4),   Dec 2023
Stevens Institute of Technology, Hoboken, United States
Relevant Courses: Web Programming, Algorithm Design & Implementation, Engineering Python, Cyber Security

Bachelor of Engineering, Computer Engineering (CGPA: 8.04/10),   May 2019
Mumbai University, Mumbai, India