Shahad Kariyambath

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A: London, UK | G: GitHub| P: Portfolio

SUMMARY

Highly skilled computing professional with a recent MSc in Computing from the University of Northampton. Proficient in Java, Python, HTML, JavaScript, SQL, and PHP, with expertise in software development and systems engineering. Experienced in enhancing mainframe applications, developing user-friendly interfaces, effectively managing data, and optimizing databases. Adept at implementing mobile software solutions and web applications. Seeking a software development role to apply my diverse skill set and passion for innovative technology in a dynamic professional environment.

EDUCATION

MSc Computing | University of Northampton | United Kingdom | 2022 – 2023

- Intelligent Systems: Applied **Python's** Pandas library for **data cleaning** and **manipulation tasks**, **ensuring data quality** and **consistency**. Utilized libraries such as **Scikit-learn** for **training** and **testing machine learning models**.
- Mobile Software Development: Developed an **Android application** and integrated a **PHP-based API** for seamless **data communication** and **backend functionality**. Created a **user-friendly interface** with a focus on **optimal user experience**.
- Internet Programming: Implemented a **web application** using **JavaScript** and **PHP**, leveraging libraries like **jQuery** for interactive features and **data manipulation**. Developed server-side functionality for efficient **data processing** and **communication**.
- Visual Software: **Designed** and **developed Java applications** with a focus on **user interface using JavaFX**. Utilized libraries for creating visually appealing and responsive graphical components.
- Database: Created and optimized complex database queries using **MySQL** and **Neo4j**. Ensured efficient **data retrieval** and management for various project.

BTech in Computer Science Engineering | Pondicherry University | India | 2015 – 2019

WORK EXPERIENCE

Systems Engineer | Tata Consultancy Services (TCS) | Jan 2020- Jun 2022, Kolkata, India

- Led the support of **CITI Bank** CBK batch processing across 16 countries in **APAC** and **EMEA regions**, ensuring uninterrupted operations by **handling live Abends**.
- Took charge of **supporting** and **enhancing** Mainframe applications, including implementation, build/deployment, and ongoing support.
- Managed **day-to-day issues**, collaborated with end users, development staff, and infrastructure teams to resolve incidents, conducted **daily health checks**, and mitigated outages.
- Conducted in-depth analysis of production problems, identified root causes, recommended solutions, and prevented recurrence of application malfunctions.
- Led **on-call duties**, **maintaining** and **supporting production code**, documenting processes, and conducting disaster recovery exercises.

Software Developer | Exeter Premedia Services | Jun 2019- Oct 2019, Chennai, India

- **Developed** and **modified** programs, integrating software products for seamless operation.
- Directed the **end-to-end web development**, covering all layers from database to **user interfaces**.
- Implemented a robust system for tracking **user concerns**, **bugs**, and **defects** related to new interfaces.
- Installed, configured, and maintained computer hardware for secure and intuitive user experiences.
- **Collaborated** with clients and cross-functional teams, **communicated project statuses** and coordinated system installations or modifications.
- **Project**: Phylogenetic Tree (Validation of Files)
  - ➢ **Designed the front-end user interface** using HTML, CSS (Bootstrap), and JavaScript to create an intuitive and user-friendly page.
  - ➢ Played a dual role by **working on the back-end mechanism**, utilizing **NodeJS** for efficient data processing and file validation.
  - ➢ The project focused on the validation of files, ensuring **data accuracy** and **consistency** for the **end-users**.

MY PROJECTS

Gazetteer

- The specification was to reply to a website specification for a map-based app to provide information on countries with a focus on a "**mobile-first**" development. Preferably using a framework, to then develop **HTML, CSS** and **JavaScript** with **JQuery** modules that use **PHP** server-based components to source data from third-party **APIs** (Geonames, OpenWeather). The solution is assessed on its delivery to specification, functionality, and usability.

Company Directory

- Developed a client-server functionality for managing company personnel data through both mobile and desktop clients. My focus was on personnel administration, including creation, retrieval, and modification within the system. I utilized **HTML/CSS/JavaScript (Bootstrap Framework)** for an intuitive user interface and **PHP** for seamless data interactions, including **CRUD** operations, with **JSON** Data Interchange. **MariaDB** was the chosen database system for efficient data management. This project showcased my frontend and backend development skills, ensuring smooth data interactions with the server.

SKILLS AND LANGUAGES

- Java
- C++
- Neo4j
- Mainframe
- CSS
- NodeJs
- Kotlin
- APIs

- JavaFX
- Python
- SQL
- HTML
- JavaScript
- PHP
- Bootstrap
- React