ANZAR AHMAD MALIK

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Full Stack Software Engineer with skills in React with TypeScript, Flutter with Dart and Wordpress & pHp, having built Cloud first software solutions on AWS & GCP.

WORK EXPERIENCE

FULL STACK SOFTWARE ENGINEER
Edinburgh, United Kingdom
Healthspan Innovations
September 2024 - February 2025
Technologies: **React, Next.js, AWS, Flutter, Dart, Mobile Development**
- Built Mobile **Flutter** app for **Android** and **iPhone** to take and upload photos inside of the ear using an attached medical device, making the medical diagnosis process more robust and reliable.
- Designed and implemented scalable web applications using **Next.js** deployed on **AWS EC2**, significantly enhancing integration capabilities with medical management systems such as **Cliniko**, improving overall patient and practitioner experience, adding additional features such as online payments with **Stripe.**
- Built a review pipeline to retrieve **Google** and **Facebook** reviews and analyse them with **Llama LLM**, to build practitioner feedback portal, promoting incentives and identifying flaws to be improved upon.
- Developed a patient tracking system to send Emails and SMS regarding reviews and promotions, with **AWS SNS and SES** services, saving costs by **65%** when compared to on-market services.

WORDPRESS DEVELOPER & SYSTEMS INTEGRATOR
Glasgow, United Kingdom
Tidy4U
March 2024 - August 2024
Technologies: **Wordpress CMS, pHp, HTML & CSS, CPanel, Hostzinger**
- Deployed customized **UI/UX** design using custom **HTML**, **CSS** and **pHp** on Wordpress to represent businesses and describe their services, maintaining a unique experience as well as convenience of fully functional CMS.
- Managed **DNS** configurations and optimized the hosting environment (**Hostinger & Bluehost**), successfully preventing over **300** unauthorized access attempts and ensuring uninterrupted service availability.

ASSOCIATE FRONT END DEVELOPER
Mumbai, India
SecLogic Inc.
April 2021 - August 2022
- Migrated **50+ pages** & components to React 17 from 16, with functional components and hooks, achieving **38%** reduced bundle size, **42%** overall UI bugs and glitches.
- Implemented **Role Based Access Control (RBAC) system** with **7** levels of privilege, with **5** different **UI/UX** systems available depending on the access.
- Applied Test-Driven Development with **Jest** and **Cypress** in workflow, resulting in **26%** decrease in post-launch bugs.
- Developed Date-time UI/UX system with **Moment.js**, reducing time related scheduling errors by **63%**.
- Applied graph algorithm with **AmCharts.js** for a map utility for AWS services, improving speed index score by **37 points**.
- Designed reusable **ARIA** based form components handling validation and error, reducing scheduling bugs by **18%** and Lighthouse accessibility score by **28** points.

EDUCATION

UNIVERSITY OF STRATHCLYDE
Glasgow, United Kingdom
Masters of Science, Advance Computer Science
September 2022 - September 2023
Achieved **Distinction** Merit; **Class President**
Relevant Coursework: **Deep Learning, Evolutionary Computing for Finance, Distributed Systems**

DAYANANDA SAGAR UNIVERSITY
Bengaluru, India
Bachelors of Technology in Computer Science & Engineering
July 2016 - July 2020
Relevant Coursework: **Data structures & Algorithms, Machine Learning, Cloud architecture, Optimization.**
CGPA: 5.8

D.Y. PATIL INTERNATIONAL SCHOOL
Navi Mumbai, India
International Baccalaureate® (IB) Diploma Programme (DP), International GCSE
July 2012 - July 2016
IGCSE: French C, First Language English D, Literature English C, Physics A, Chemistry B, Mathematics A, Information and Communication Technology

IBDP: M16 Chemistry HL 4, M16 Physics HL 3, M16 Mathematics HL 3, M16 English Lang and Lit SL 4, M16 French SL 3, M16 ITGS SL 5.

UNIVERSITY PROJECTS

SERIALIZING TREES WITH FUNCTIONAL PROGRAMMING (HASKEL) — Feb 2017
- Leveraged Binary and Bytestring libraries for data structure serialisation, optimising space usage by **37.5%**.
- Constructed Generics within the library to serialize and deserialize the trees and subtrees, resulting in a **20.4%** increase in tree-based algorithm performance, assessed with Criterion library benchmarks.
- Designed custom functional serialisation algorithms, improving data processing speed by **18%.**

GENETIC ALGORITHMS FOR FINANCIAL FORECASTING & TEST SUIT (JAVA) — Jan 2016
- Devised a strategy to use genetic algorithms to identify the best SMA period for Apple Inc. stocks, improving the trading profits over the testing period by **62.3%**.

CERTIFICATIONS

AWS CERTIFIED DEVELOPER - ASSOCIATE (ONGOING) — Expected May 2025

FRONT-END WEB DEVELOPMENT WITH REACT (Coursera - University of Hong Kong) — Feb 2021

FREELANCING & MISCELLANEOUS EXPERIENCE

WEB DEVELOPER — **Glasgow**, UK
jungandrestless.com — *April 2024 - May 2024*
- Managed front-of-house operations, establishing connections with the local community and ensuring satisfaction.

CUSTOMER ASSISTANT — **Newlands, Glasgow**, UK
Wm Morrisons Supermarkets Limited — *September 2023 - September 2024*
- Managed front-of-house operations, establishing connections with the local community and ensuring satisfaction.
- Delivered high-quality customer service, consistently meeting the needs of a diverse clientele.
- Demonstrated capability in a fast-paced environment, maintaining composure and efficiency during peak times.
- Effectively managed inventory, ensuring product availability and stock level optimisation.
- Handled monetary transactions with accuracy and integrity, reinforcing customer trust and business reliability.

EVENT STEWARD FOR BANKSY EXHIBITION — **GOMA, Glasgow**, UK
Inhouse Stewards Ltd — *April 2023 - August 2023*
- Worked with the event with over 3000 customers a day for three months.
- Ensured the audience enjoyed the exhibit, as well as helped with any and all queries posed by the customers.

SECURITY STEWARD — **Glasgow, Motherwell, Ayr**, Scotland
Berkeley Scott Ltd. — *January 2023 - September 2023*
- Interacting with customers, and ensuring the event is up to the standard.
- Learning about the different stadiums, fire codes and first aid responders. Ensuring the level of safety is met in the crowd.

FRONT OF HOUSE STAFF, TEMPORARY ROLE — **Glasgow & Edinburgh**, Scotland
HOSPO Talent — *January 2023 - March 2023*
- Working in a fast-paced environment, I delivered excellent customer service under pressure.
- Interacting with a group in order to ensure that critical information is disseminated in a timely and efficient manner through communication.