**Akeef Mamoon**

**Mobile**: 0481 855 552 **| Email:** akeefmamoon@gmail.com **| LinkedIn:** linkedin.com/in/akeef-taher-mamoon/

**EDUCATION**

**University of New South Wales**

***Bachelor of Computer Science*** *Feb 2016 – Dec 2022*

* UNSW Boxing President

**RELEVANT WORK EXPERIENCE**

**Employsure** Jan 2023 – Present***Development Lead***

* Developed and built a Full Stack application to generate documents based on scraped data saving an estimated 4500 hours of overtime.
* Managed a team of 5 engineers in an AGILE methodology for large project work, making use of sprints & retros to ensure deadlines are achieved.
* Migrated our website site stack from an externally hosted Wordpress instance to a custom stack utilising AWS, Cloudflare and NextJS reducing the ongoing cost from $10,000 to $1,000 per month.
* Wrote and managed key data pipelines using Rust, Kafka and Eventbridge/Servicebus to ensure healthy, consistent and frequent data updates to a lake on Azure.
* Curated AWS, Azure and GCP cloud environments ensuring no security breaches occurred during my tenure.
* Built and designed a separate document generation system for the Health & Safety Field team utilising Swift and C# to create an iPad app that could create documents while advisors were out of office.
* Worked with teams in Canada and the UK to build & migrate applications from different regions and use cases.
* Initiated and worked on a project to migrate CDK and Serverless applications to use Terraform as a form of IaC.

**Employsure** Jan 2022 – Jan 2023***Software Engineer***

* Built, designed and maintained a Portal system for client documents allowing Clients to directly interact with their documents.
* Developed and maintained integrations ranging from Tableau to Workplace to allow for ease of use for internal stakeholders.
* Lead redesign for technical processes involving large scale and key business departments including Finance and Marketing, migrating larger scale manual processes to automated processes saving hundreds of hours.
* Added scripting to ServiceNow to improve the ticketing experience for internal users.
* Wrote e2e testing for custom applications using mocha & chai to ensure bug-free releases.
* Created and maintained a deputy-lite app to manage part-time and casual staff using PowerApps.
* Oversaw 3 large scale MSSQL databases designed for invoicing and processing key PII business data.
* Wrote and assisted in writing extensive documentation in Confluence & markdown for technical applications as well as business processes.

**SMASH Inc.** Jan 2023 – Present***Software Engineer***

* Migrated some local database usage into using Azure Blob Storage to prevent unnecessary backups of pdf files saving an estimated GB per day.
* Worked on a large scale ticket generation system serving, during peak time, 10k requests a minute.
* Assisted in creating and maintaining project documentation, including business requirement documents and designing UI flowcharts.
* Built and designed a number of UI elements based on marketing requirements.
* Contributed to the preparation of reports and presentations for management, summarising project progress and findings.

**TECHNICAL EXPERIENCE**

**Pay Rate Utilities Application - *Project Lead/Developer*** Jan 2023 – Ongoing

* Utilised NextJS for desktop frontend, ReactNative for a mobile application, a combination of Python and Typescript in a AWS App Mesh for the backend and AWS RDS as the database.
* Worked with 1 other engineer to ensure deliverables on sprints were met.
* Scraped data from the Modern Awards Pay-Rate Database and mapped it to business reports & use cases to generate documents that were previously manually created.
* Created a UI for Service users on call to get real time and accurate data from the MAPD in an intuitive UI.
* Gathered business requirements from technical and non-technical users to create accurate stories, epics and themes.
* Created a slew of ServiceNow processes to log feedback from users.

**Employsure Websites - *Project Lead/Developer*** Jan 2023 – Ongoing

* Worked with 2 other engineers in an AGILE fashion to deliver 5 websites ranging from SPAs to MVCs.
* Utilitized NextJS & React for their SSG capabilities to create Server based UI rendering allowing our marketing team to more efficiently create and deploy Premier Sites for lead generation.
* Absorbed and displayed website telemetry data using Grafana and Google Analytics for internal stakeholders to ensure performance was maintained..
* Created a testing suite in Playwright to create a testing results webpage and further analytics data for website health monitoring..
* Created a slew of ServiceNow processes to log feedback from users.

**TECHNICAL SKILLS**

**Technical Languages:** C, C++, Rust, Typescript, Javascript, SQL, SOQL, C#, Java

**Frameworks:** React, Angular, Springboot, NextJS

**Testing:** Selenium, Playwright, Katalon, Jest, Mocha, Chai

**Cloud Environments:** AWS - (Lambda, CloudFormation, RDS, Amplify, EC2, ECS, Api Gateway, Eventbridge), Azure (Function App, Logic App, ServiceBus), Google Cloud Platform (BigQuery, AppRunner)

**CI/CD:** Github Actions, CircleCI

**Other:** Kafka, Prometheus, Grafana, Salesforce