

Rian Tian

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Personal Statement

A graduate software engineer who has a can-do attitude is looking for an opportunity to bring my enthusiasm for IT into a career.

Earned a strong reputation for the quality of my work and my positive attitude from both my internship project and my paper

As a graduated software engineer, I can not only bring technical support, including front-end frameworks, such as React, and Angular, and back-end API development, such as C#, Java, and cloud platform applications, mainly focusing on using AWS. I can also bring some soft skills to help me work better with team members. For example, I am a person who pays attention to details and has a positive attitude.

I believe that if I do something, I must do it to the best of my ability. I am also very willing to continue to grow myself and learn more technologies so that the project can be completed better.

Work Experience

The Whakatōhea Māori
Trust Board
4/Dec./2023 - 16/Feb./2024

Summer Internship – React Web Developer

Korero on the couch

Task: Build a social platform based on React.js and SOLID POD to record and share Maori stories. It must be able to implement recording functions, storage functions, and sharing functions.

Action: We use Solid Pod to store data, React.js as the frontend, node-solid-server as the backend, WaveSufer.js to render the audio waveform, and Google Translate API to translate English into Maori

Result: After three months of development, we successfully built an information platform that allows users to log in to the Solid POD server, enter their own user stories on the front-end page, and store the files as txt files on the server. All stored files will be displayed on the front-end page, and users can choose to share and download different files.

The University of Waikato
10/Jul/2023 - 05/Nov/2023

AWS App-Weather Forecast

Task: Build a weather forecast website and deploy the local project to the cloud platform to connect different cloud services.

Action: We use OpenAPI to obtain real-time weather data in the project. We use AWS API Gateway as the front-end connection to the cloud service. At the same time, we use Python to write code in Lambda to operate DynamoDB. We generate keys in KMS and use Secret Manager to encrypt user registration passwords. We use SNS to send messages and Cloud Watch for monitoring. Finally, we use code deployment to deploy the project to the EC2 instance.

Result: The project allows users to register && log in. Password encryption is used to protect user information. Users can search global weather information. Humidity, wind speed, temperature range and other information are displayed. CPU and memory usage are monitored using Cloudwatch. When deployed using code deploy, an email will be sent to the developer to explain the status of the project deployment.

Part-Time Job

Unlimited Soft Shop

- Shop Assistant
 - Customer service
 - Keep professional communication with the team
 - Fill any roles when needed
 - Daily routine of the place if needed

Qualifications

The University of Waikato
2023 - 2024

Master of Information Technology

- Programming Tools and Techniques;
- Cyber Security;
- Malware Analysis and Penetration Testing;
- Secure Cloud Application Engineering;
- Programming Project;
- Information Visualization;
- Usability Engineering;

Liaoning University of
Technology
2018 - 2022

Bachelor of Software Engineering

Technical Skills

- **Front-end Development** – Ability to develop programs using React, HTML, and CSS. Experience in managing state using React Hooks, building components using Material-UI, and consuming REST APIs using fetch.
- **Back-end Development** – Ability to build backends using .Net, Node.js, and Java experience in building REST APIs in programs.
- **Cloud** – Ability to deploy applications on Azure and AWS cloud platforms. Exposure to cloud services such as Azure Blob, SignalR, Cognitive Services, and AWS Lambda, S3, DynamoDB.
- **Database** – Experience running MySQL servers, writing MySQL queries, and managing databases using SQL GUI tools such as Navicat.
- **GIT** – Ability to collaborate using source control tools such as GIT.

Soft Skills

- Customer service: Help customers solve problems in a timely manner with 100% passion
- Able to follow instructions within the team and ask questions when needed. Participated in a project as a team leader, explained technical concepts to designers and met their requirements.
- Adapt to a fast-paced environment. Experienced agile environment using Jira, CI&CD under TeamCity workflow.

Reference

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