



RACHEL ARON

Software Engineer | UX/UI Designer | Cloud Engineer

CONTACT

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Queensland
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TECHINICAL SKILLS

Design (UX/UI/Visual)



Dev (ReactNative)



Dev (NodeJS)



Dev (Typescript)



Automatic (CDK)



Cloud (AWS Developer)



Dev (Python)



ABOUT

Hi, I'm Rachel, a Software Engineer with experience in UX/UI Design and Cloud Engineering. I have a solid background in languages such as Javascript, Typescript, and Python, which enables me to bring a wealth of technical expertise to any project I'm working on.

My passion for UX/UI design is evident in the engaging and user-friendly interfaces that I create, which are always designed to meet the needs of end users.

I have a strong focus on collaboration and always aim to deliver high-quality work, which has made me a valuable asset to any team I've been a part of. Whether working on large-scale software development projects or designing intuitive user interfaces, I bring a thoughtful and innovative approach to every task.

REFERENCES

DANIEL LORIZEN

Mantel Group - Principle Consultant

✉ daniel.lorenzin@mantelgroup.com.au

☎ 0438 321 213

ETHAN MOLIVER

Mantel Group - Consultant

✉ me@ethan.link

☎ 0435 010 353

EDUCATION

SOFTWARE ENGINEERING BOOTCAMP

General Assembly Australia

2021

USER EXPERIENCE DESIGN COURSE

General Assembly Australia

2020

DOUBLE BACHELOR OF GRAPHIC DESIGN & WEB PAGE, DIGITAL/MULTIMEDIA AND INFORMATION

University of the Sunshine Coast

2016 - 2019

RACHEL ARON

Software Engineer | UX/UI Designer | Cloud Engineer

PROFESSIONAL EXPERIENCE

MANTEL GROUP (PREVIOUSLY CMD SOLUTIONS)

Trainee Cloud Engineer 2021, Associate Cloud Engineer 2021 - 2023, Cloud Engineer/Software Engineer 2023 - Present

Notable Projects

OMC International Project ODIN

Background:

I had the opportunity to consult for OMC International, contributing to the creation of a new product called ODIN. This innovative solution eliminates the need for manual Draft Reading calculations for Vessels entering a Berth.

Deliverables:

In my role as a Software Engineer, I was tasked with the development of ODIN's front-end platform as well as the total design of their user-interface.

Outcome:

The successful deployment, implementation, and utilisation of the platform, by both clients and staff members at OMC International, resulted in increased speed at which manual Draft Reading calculations were being performed. This productionised tool effectively increased processing efficiency.

Tools: NextJS, TypeScript, React, TailwindCSS, Figma

OMC International Transit Analyst

Background:

During my engagement as a consultant for OMC International as a Cloud Engineer, I assisted in the migration of their on-premise platform into AWS cloud.

Deliverables:

This cloud engineering deliverable required the migration of OMC Transit Analyst's on-premises data into the AWS ecosystem utilising AWS CDK for cloud-infrastructure and a variety of AWS services to build a robust data ingestion pipeline.

Outcome:

Through the integration of multiple Lambdas, EventBridge, and Athena Tables, we successfully deployed both the Transit Processor and Enrichment Processor. This comprehensive approach ensured the full enrichment of data as it entered the AWS Architecture, resulting in a robust ingestion process.

Tools: Python, CDK, AWS CLI

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Trainee Cloud Engineer 2021, Associate Cloud Engineer 2021 - 2023, Cloud Engineer/Software Engineer 2023 - Present

Notable Projects

MoveCMD

Background:

MoveCMD is an internal initiative dedicated to facilitating large-scale cloud migrations, covering the entire process from initial discovery to the decommissioning of on-premise infrastructure. Adopting an application-centric approach to portfolio management, MoveCMD ensures seamless migrations by effectively managing risks and minimising downtime.

Deliverables:

In my role as a Software Engineer, UX/UI Designer & Cloud Engineer, I was tasked with the development of MoveCMD's front-end platform as well as the total re-design of their user-interface. I have established myself as the go to Software Engineer when it comes to complete front-end and user-interface designs.

Outcome:

The deployment of the new UI design, along with new components and resources to support the new platform, was highly regarded by stakeholders. Minimising manual configuration for users by leveraging the frontend platform has not only made it easier for users to navigate their services but also simplified configurations for migration to the AWS Platform. This has established MoveCMD as the single source of truth.

Tools: React, NodeJS, MaterialUI, AWS Amplify, AWS CLI, CDK, Python, Typescript, Figma

Customer Central

Background:

Customer Central was developed to support the managed services team at Mantel Group by serving as a comprehensive platform. It functions as a centralised hub containing each customer's records, including details, AWS accounts, billing breakdowns, and report generation.

Deliverables:

By establishing myself as the go to Software Engineer & UX/UI Designer when projects pertain to complete front-end and user-interface re-designs, due to my consistent ability to deliver outcomes, I was tasked with the development of the front-end platform as well as the design of their user-interface.

Outcome:

Customer Central is the key application for users to oversee customer management. The platform showcases customer project utilisation, billing information, customer details, and a monthly reporting system. It offers users and clients the convenience of swiftly switching between customers and accessing their accounts for managed services with ease.

Tools: React, Material UI, Figma, Typescript, Java, NodeJS, CDK, AWS CLI/API, Postgres DB