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<https://github.com/akiwarheit>

Summary

Full-stack software engineer with 12+ years of industry experience and a strong record of open-source contributions. Skilled in web and mobile development, leading distributed teams, and developing deep learning models. Graduate of the University of Michigan's Master of Applied Data Science, passionate about advancing applications of deep learning. Delivered high-profile projects including the NZ COVID Tracer app, Watercare NZ, Caltex, Rova, Z Energy, Kyocera printer software, and My Vodafone.

Skills Matrix

Technology	Expertise (1 - 5)	Years
React Native	5	9
React	5	9
Android	5	13
Typescript	4	7
Python	4	4
Java	4	13
MLOps	3	4

Work History

DDRE Global, Contract Lead Developer

2025 - Present

Contract lead developer working on the platform of <https://ddre.global/>

Tech Stack

Next.js, Tailwind, TypeScript, Strapi, various third-party libraries

Responsibilities

- Building their real-estate management platform & operations
- Leading the technical team & setting up coding practices & standards

Key Achievements

- Shipped the first deliverable for advisors for property valuation & task management on time

Abby, Contract Svelte Engineer

2025 - 2025

Contract Svelte engineer working on the frontend rebuild of <https://www.cheersabby.com/>

Tech Stack
Svelte, Tailwind, Storybook, AWS, ShadCN

Responsibilities

- Rebuilding the whole Elm application using Svelte & TypeScript

Key Achievements

- Establish frontend best practices, including Storybook, tests, & cursor prompt engineering, to maintain coding standards.
- Shipped main features, including authentication & authorisation, organisation management, etc.

AKQA, Contract Software Engineer

2025 - 2025

Contract software engineer working on the Rova Mobile App & Salesforce Integration for Personalisation, Push, and Analytics

Tech Stack
React Native, Salesforce SDK, Nativewind, Expo

Responsibilities

- Worked on the expo-video and JWPlayer audio components.
- Build, deploy, and implement various Native SDKs into Expo Modules

Key Achievements

- Launched Rova app on time.
- Provided insights on app optimisation using profiling & virtualisation.
- Completed the Personalisation framework for the Rova mobile app.

RUSH Digital, Contract Software Engineer

2024 - 2025

Contract software engineer working on multiple projects, including rebuilding the Watercare NZ website, integrating Eagle Eye's loyalty APIs to the Z Energy App, and assisting with AI-related projects.

Tech Stack
React, Next.js, React Native, CMS, Strapi

Responsibilities

- Build, deploy, and maintain React, React Native, and Strapi CMS projects.
- Assist in proving value for AI developer tools for frontend development.

Key Achievements

- Launched the new [Watercare Website](#) & Site Builder.
- Launched the new [Z Rewards programme](#).

CDD Technologies, React, React Native, & Python

2021 - 2024

Various roles & projects - leading the tech team for LOMA Search, and building computer vision products.

Tech Stack

React, Python, PyTorch, Google Cloud Platform, Flask, Streamlit, Docker, SageMaker, YOLO, Roboflow, React Native, Strapi

Responsibilities

- Build, deploy, & monitor AI models, API, spiders, & frontend code.

Key Achievements

- Designed, developed, & deployed LOMA Price Insights for businesses.
- Two successful customer pilots for LOMA.
- Set up ML pipelines for object detection & price prediction.

Sky Digital NZ, Senior React Native Developer

2021 - 2021

My primary responsibilities included developing and maintaining the Sky Go companion app - rewriting the previous Youi.TV framework to React Native. Additionally, I contributed to the early stages of creating a TV launcher using React Native TV & setting up a monorepo.

Tech Stack

React Native, Redux, Android, Java, Swift, Storybook, Youi.TV

Responsibilities

- Rewrote Sky Go Companion app into React Native
- Build, deploy, & monitor Sky Go Companion App

Key Achievements

- Launched the Sky Go Companion app
- Decreased Android app crashes & ANR by 90%
- Championed Sky & Component Driven Design using Storybook during the React Native Meetup 2021.

Rush Digital, Senior React Native Developer

2019 - 2021

Senior React Native developer working on geolocation-based, eCommerce React Native projects, including the [COVID Tracer App](#), [Caltex](#), [Z](#), and the NHS Covid Website.

Tech Stack

React Native, Redux, Redux-Saga, App Center, React, Strapi CMS

Responsibilities

- Build, deploy, & maintain the Caltex & Z app.
- Implemented mobile CI/CD using App Center

Key Achievements

- Planned & estimated the original COVID Tracer App for MOH. Assisted in re-writing it into React Native.
- Launched the Pay-in-App & Pumped programme for Caltex.
- Maintained the Z app & the barista tablet companion app.

TH2 Connect, Senior React Native Developer

2018 - 2019

Senior React Native developer working on the company's white-labelled solution for a vehicle management system.

Tech Stack

React Native, Redux, Redux-Saga, App Center

Responsibilities

- Build, deploy, & maintain white-labelled solutions.

Key Achievements

- Launched several variants of the white-labelled solution to market.

LPS NZ / Vodafone NZ, Full Stack Developer

2016 - 2018

Fullstack developer contracted to Vodafone NZ - worked on the My Vodafone website, Spring-based backend services, and the mobile app.

Tech Stack

Java, RxJava, Android, React Native, Jenkins

Responsibilities

- Build, deploy, & maintain My Vodafone native app.
- Developed Mates Prepay from software spec.
- Rewrote My Vodafone native app into React Native.
- Assisted in backend development using Java & Spring MVC.

Key Achievements

- Launched Mates Prepay.
- Launched the new My Vodafone React Native app.

Arcanys Asia, Senior Android Developer

2014 - 2016

Led the team of Android developers. Dabbled in geolocation, Bluetooth LE, & contributed to Material Design Preview: Elements of L.

Tech Stack

Java, RxJava, Android, Ruby

Responsibilities

- Mentored the mobile team.
- Developed several mobile apps for different clients.

Key Achievements

- Contributor to Material Design: Elements of Lollipop.

Catapult International, Web Developer

2013 - 2014

Fullstack web developer working on a shipping rates calculator web application.

Tech Stack

Java, JavaScript, jQuery

Responsibilities

- Maintained the company's shipping rates calculator web application.

Key Achievements

- Re-wrote most of the backend services to follow OOP & best practices.

Kyocera Document Solutions, Systems Engineer

2012 - 2013

Systems engineer for a Japanese multi-functional printer manufacturer.

Tech Stack

Java, JavaScript, jQuery, Linux

Responsibilities

- Develop & maintain web applications interfacing with MFPs.

Key Achievements

- Created a web tool deployed to a micro PC that monitors MFPs.

Certifications & Awards

- Certified Android Developer (Google)
- Various Open-Source Contributions (Material Design, React Native, Storybook, etc.)
- Neural Networks & Deep Learning (DeepLearning.AI)

- Python Certified (University of Michigan)
- Recommender Systems (University of Minnesota)

Education

Institution	Programme	Year
University of Michigan, USA	Master of Applied Data Science	2021 - 2024
University of San Jose - Recoletos, Philippines	Bachelor of Science in Information Technology	2008 - 2012

Interests

AI, Big Data, Startups